STEREO INTEGRATED AMPLIFIER

A-87/97

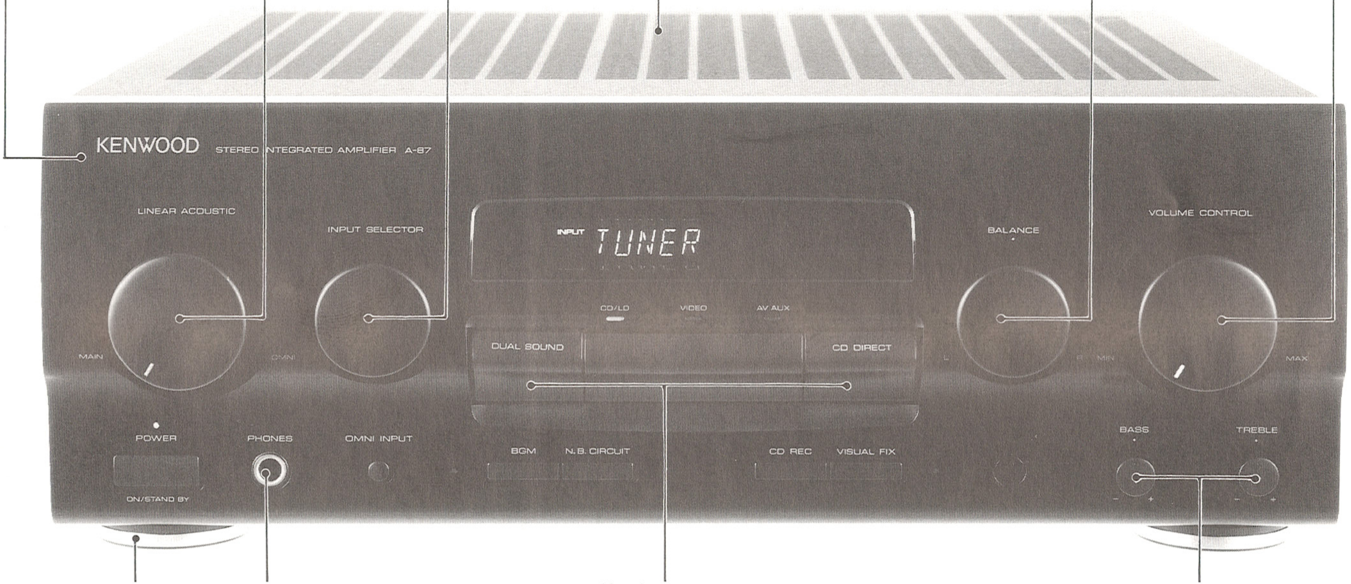
SERVICE MANUAL

(M-97/97M/99LD/99M)

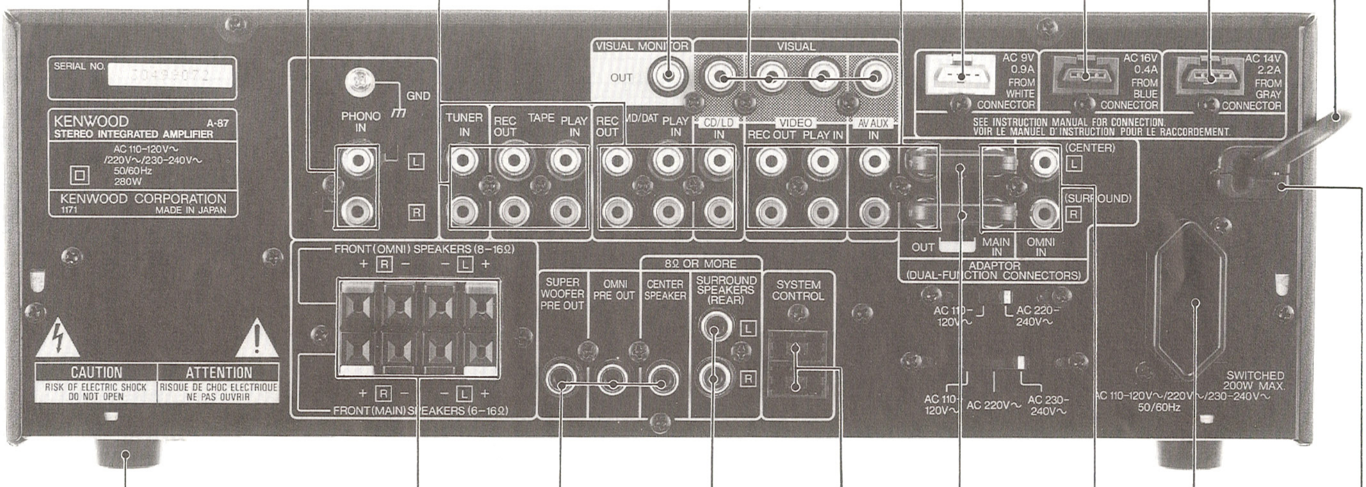
KENWOOD

©1993-7 PRINTED IN JAPAN
B51-4735-00 (S) 2318

[A-87]


KENWOOD
STEREO INTEGRATED AMPLIFIER A-87
LINEAR ACOUSTIC
MAIN
OMNI
INPUT SELECTOR
INPUT
TUNER
CD/LD
VIDEO
AV AUX
DUAL SOUND
CD DIRECT
BALANCE
VOLUME CONTROL
MAX
POWER
ON/STAND BY
PHONES
OMNI INPUT
BGM
N.B. CIRCUIT
CD REC
VISUAL FIX
BASS
TREBLE

Panel (A60-0503-02)
Knob (K29-4403-04)
Knob (K29-4404-04)
Metallic cabinet (A01-1810-01)
Knob (K29-4405-04)
Knob (K29-4403-04)
Foot (Front) (J02-1040-05)
Phone jack (E11-0210-05)
Knob (K29-5706-03)
Knob (K29-5672-04)


SERIAL NO.
KENWOOD A-87
STEREO INTEGRATED AMPLIFIER
AC 110-120V~ /220V~/230-240V~ 50/60Hz 280W
KENWOOD CORPORATION
MADE IN JAPAN
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
ATTENTION
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR
PHONO IN
GND
TUNER IN
TAPE REC OUT PLAY IN
MD/DAT REC OUT PLAY IN
CD/LD IN
VIDEO REC OUT PLAY IN
AV AUX IN
VISUAL MONITOR OUT
VISUAL
AC 9V 0.9A FROM WHITE CONNECTOR
AC 16V 0.4A FROM BLUE CONNECTOR
AC 14V 2.2A FROM GRAY CONNECTOR
SEE INSTRUCTION MANUAL FOR CONNECTION.
VOIR LE MANUEL D'INSTRUCTION POUR LE RACCORDEMENT.
(CENTER)
(SURROUND)
OUT
MAIN IN
OMNI IN
ADAPTOR (DUAL-FUNCTION CONNECTORS)
FRONT (OMNI) SPEAKERS (8-16Ω)
FRONT (MAIN) SPEAKERS (6-16Ω)
8Ω OR MORE
SUPER WOOFER PRE OUT
OMNI PRE OUT
CENTER SPEAKER
SURROUND SPEAKERS (REAR)
SYSTEM CONTROL
AC 110-120V~
AC 220-240V~
AC 220V~
AC 230-240V~
SWITCHED 200W MAX.
AC 110-120V~/220V~/230-240V~ 50/60Hz

Phono jack (E63-0072-15)
Phono jack (E63-0066-15)x2
Phono jack (E63-0093-05)
Phono jack (E63-0094-05)
Phono jack (E63-0067-15)
Rectangular receptacle (E08-0415-05)
Rectangular receptacle (E08-0414-05)
Rectangular receptacle (E08-0411-05)
AC power cord* (E30-)
Foot (Rear) (J02-0366-15)
Lock terminal board (E70-0022-05)
Phono jack (E63-0090-05)
Phono jack (E63-0092-05)
Rectangular receptacle (E08-0312-05)
Pin (J12-0091-05)
Phono jack (E63-0091-05)
Power cord Bushing (J42-0083-05)
AC outlet* (E03-)

*Refer to parts list on page 22.

A-87/97

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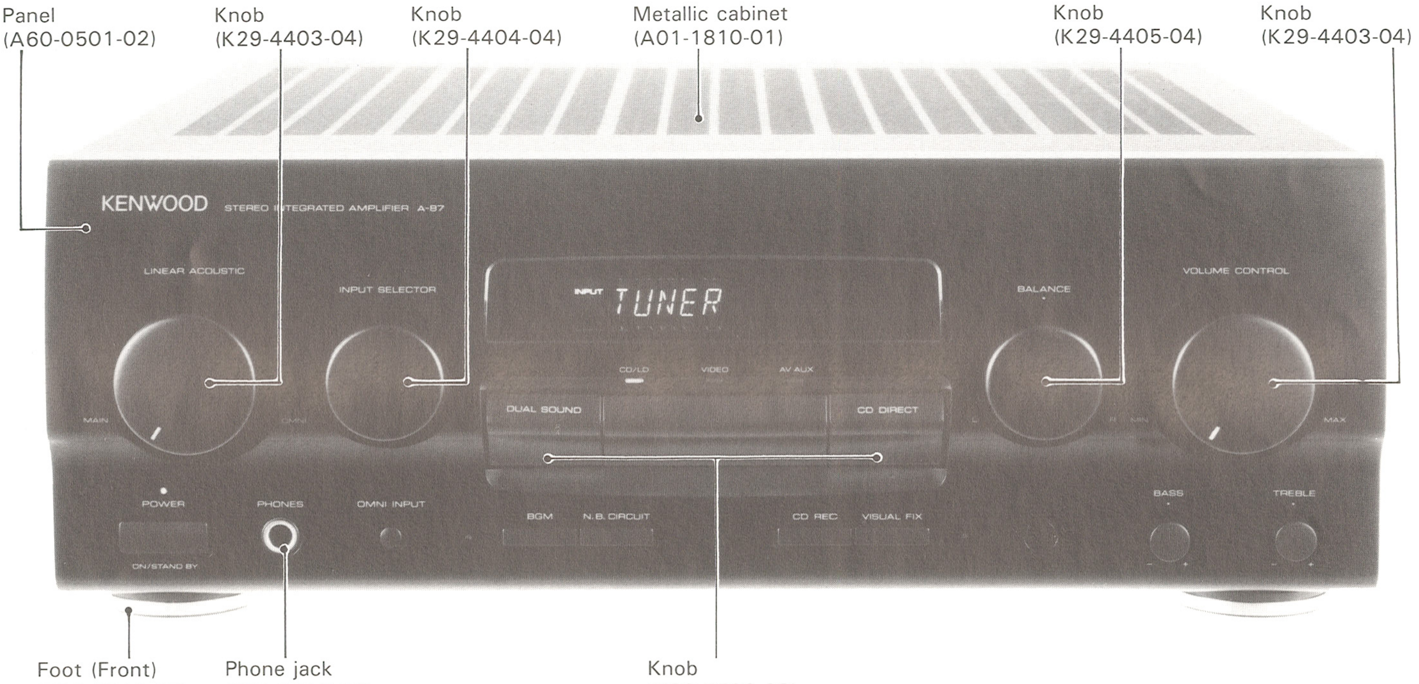
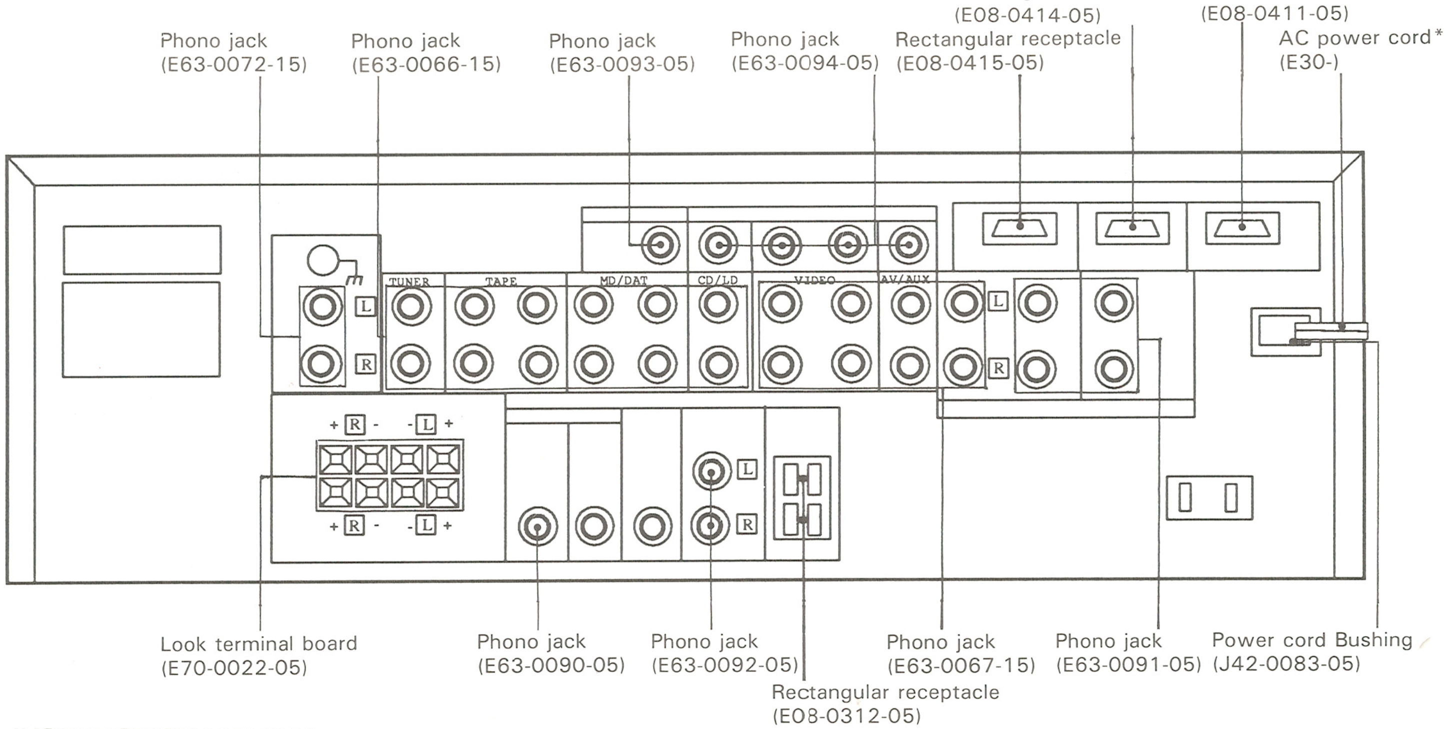


Panel (A60-0501-02)
Knob (K29-4403-04)
Knob (K29-4404-04)
Metallic cabinet (A01-1810-01)
Knob (K29-4405-04)
Knob (K29-4403-04)
KENWOOD
STEREO INTEGRATED AMPLIFIER A-97
LINEAR ACOUSTIC
INPUT SELECTOR
INPUT TUNER
BALANCE
VOLUME CONTROL
CD/LD
VIDEO
AV AUX
DUAL SOUND
CD DIRECT
MAIN
OMNI
MIN
MAX
POWER
PHONES
OMNI INPUT
ON/STAND BY
BGM
N.B. CIRCUIT
CD REC
VISUAL FIX
BASS
TREBLE
Foot (Front) (J02-1040-05)
Phone jack (E11-0210-05)
Knob (K29-5706-03)



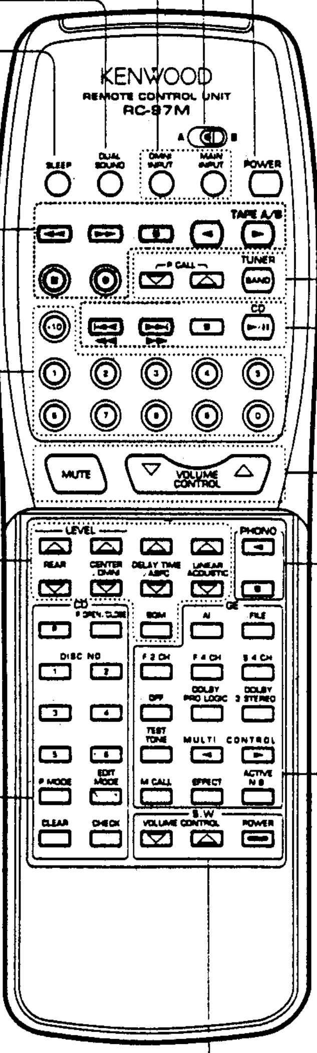
Rectangular receptacle (E08-0414-05)
Rectangular receptacle (E08-0411-05)
AC power cord* (E30-)
Phono jack (E63-0072-15)
Phono jack (E63-0066-15)
Phono jack (E63-0093-05)
Phono jack (E63-0094-05)
Rectangular receptacle (E08-0415-05)
TUNER
TAPE
MD/DAT
CD/LD
VIDEO
AV/AUX
L
R
+ R -
- L +
Look terminal board (E70-0022-05)
Phono jack (E63-0090-05)
Phono jack (E63-0092-05)
Rectangular receptacle (E08-0312-05)
Phono jack (E63-0067-15)
Phono jack (E63-0091-05)
Power cord Bushing (J42-0083-05)

INSTRUCTION MANUAL
B60-1351-00 ENGLISH
B60-1352-00 SPANISH M
B60-1353-00 CHINESE M

*Refer to parts list on page 22.

REMOTE CONTROL UNIT

REMOTE CONTROL UNIT (X94-1050-11)
BATTERY COVER (F07-0721-23)


KENWOOD
REMOTE CONTROL UNIT
RC-97M
A
B
SLEEP
DUAL SOUND
OMNI INPUT
MAIN INPUT
POWER
TAPE A/B
P.CALL
TUNER
BAND
CD
MUTE
VOLUME CONTROL
LEVEL
PHONO
REAR
CENTER OMNI
DELAY TIME ASFC
LINEAR ACOUSTIC
CD
BGM
AI
GE
FILE
DISC NO
F 2CH
F 4CH
S 4CH
OFF
DOLBY PRO LOGIC
DOLBY 3 STEREO
TEST TONE
MULTI CONTROL
P MODE
EDIT MODE
M.CALL
EFFECT
ACTIVE N.B
CLEAR
CHECK
S.W
VOLUME CONTROL
POWER

A/B switch

Keys in the hashed section ▨ can be used in two ways. The two functions can be switched according to the purpose of each operation.

- Keys which have two names printed on or around them, one printed in white characters and the other in brown characters, provide the functions printed with brown characters when the A/B switch is set to A, and provide the functions printed with white characters when the switch is set to B.
- Other keys function regardless of the A/B switch position.

Input selector keys

MAIN INPUT key: Press to select the source component to be played.
OMNI INPUT key: Press to select the component to be played through the omni-directional speakers (optional) for dual sound play or in the DSP presence mode.

POWER key

DUAL SOUND key

SLEEP timer key

Tuner operation keys

BAND key, P.CALL keys

CD player basic operation keys

⏮ and ⏭ keys, ■ key, ▶II key
When the A/B switch is set to A: ⏮ and ⏭ keys

Cassette deck operation keys

To operate deck A, set the A/B switch to A. (The ● and II keys are invalid in this case.)
To operate deck B, set the A/B switch to B.

Numeric keys

Function as the numeric keys of the CD player when the CD input is selected.
Function as the numeric keys of the tuner when the TUNER input is selected.

VOLUME CONTROL keys

Press these keys to adjust the volume. When these keys are pressed, the VOLUME CONTROL knob on the main unit rotates and the indicator on it blinks at high speed.

MUTE key

Press to mute the sound temporarily.

Amplifer operation keys

LINEAR ACOUSTIC key, BGM key.
Surround function keys.
These keys are used when the graphic equalizer (optional GE-970) is connected. REAR LEVEL key, CENTER/OMNI LEVEL keys, DELAY TIME/ASFC keys.

Analog disc turntable operation keys

These keys are used to operate the analog disc turntables of KENWOOD (optional P-78, P-66)

CD operation keys

As the M-97M and M-97 use the same model of remote control unit, some of its keys cannot be used with the M-97
Keys usable with the M-97M system:
All keys can be used.
Keys usable with the M-97 system:
P MODE key, EDIT MODE key, CLEAR key, CHECK key

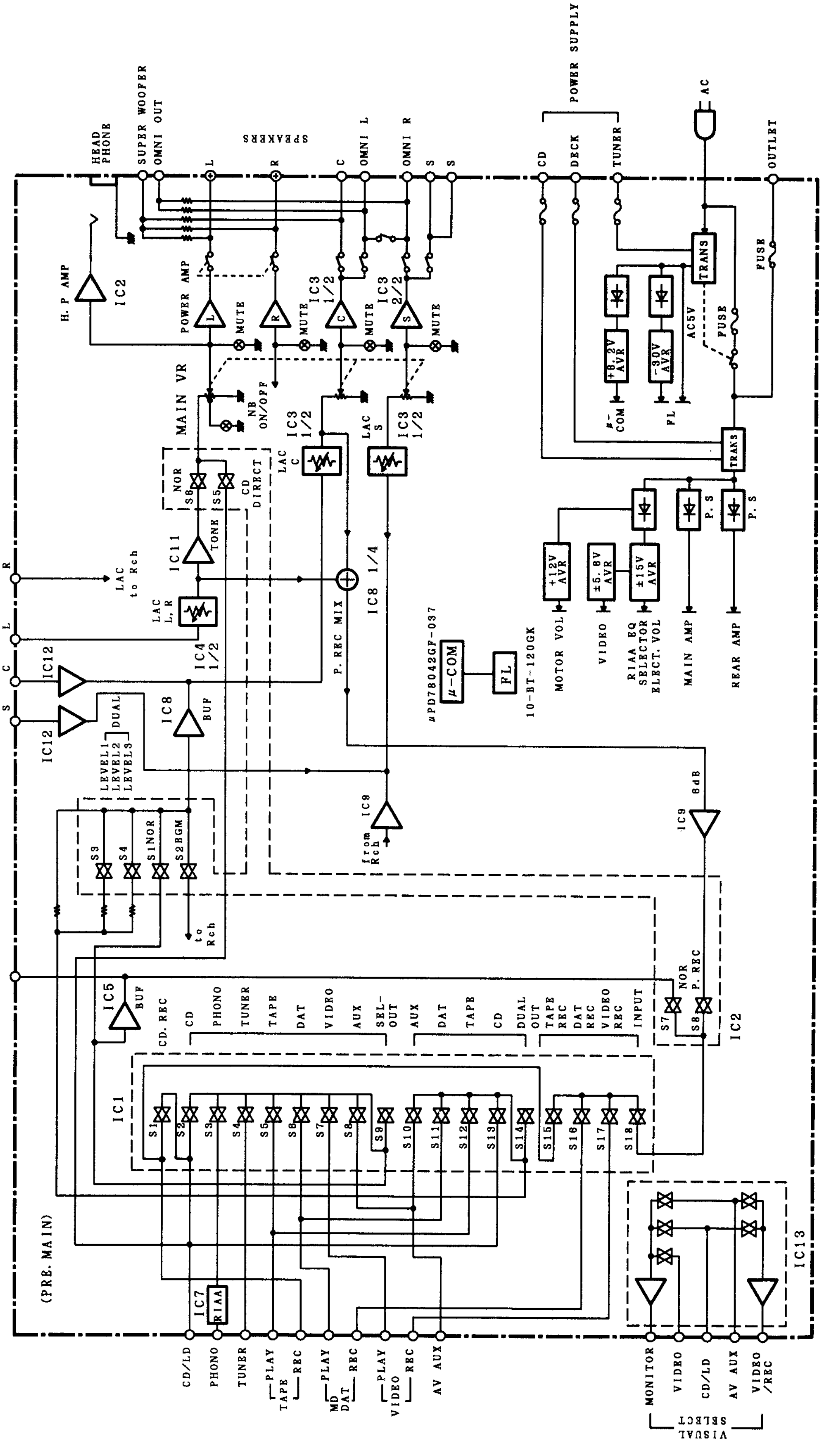
Graphic equalizer (optional GE-970) operation keys

Keys related to graphic equalizing
AI key, FILE key, M.CALL key, EFFECT key, ACTIVE N.B. key
Keys related to surround and presence effects
F 2CH key, F 4CH key, S 4CH key, OFF key, DOLBY PRO LOGIC key, DOLBY 3 STEREO key, TEST TONE key, MULTI CONTROL key

Super woofer operation keys

POWER key, VOLUME CONTROL keys (Optional)

BLOCK DIAGRAM


POWER SUPPLY
HEAD PHONE
SUPER WOOFER
OMNI OUT
SPEAKERS
L
R
C
OMNI L
OMNI R
S
S
CD
DECK
TUNER
AC
OUTLET
FUSE
TRANS
+8.2V AVR
-30V AVR
AC5V
μ-COM
FL
H. P AMP
IC2
POWER AMP
IC3 1/2
IC3 2/2
MUTE
MAIN VR
NB ON/OFF
LAC C
LAC S
NOR S6
S5
CD DIRECT
TONE
IC11
LAC to Rch
LAC L, R
IC8 1/4
P. REC MIX
IC4 1/2
IC12
DUAL
LEVEL1
LEVEL2
LEVEL3
IC8
BUF
IC9
from Rch
6dB
μPD78042GP-037
μ-COM
FL
10-BT-120GK
+12V AVR
±5.8V AVR
±15V AVR
P. S
MOTOR VOL
VIDEO
RIAA EQ SELECTOR ELECT. VOL
MAIN AMP
REAR AMP
S3
S4
S1NOR
S2BGM
to Rch
IC5
CD. REC
PHONO
TUNER
TAPE
DAT
VIDEO
AUX
SEL-OUT
AUX
DAT
TAPE
CD
DUAL OUT
TAPE REC
DAT REC
VIDEO REC
INPUT
S7
S8
NOR
P. REC
IC2
IC1
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
S13
S14
S15
S16
S17
S18
IC13
(PRE. MAIN)
IC7
RIAA
CD/LD
PHONO
TUNER
PLAY
REC
TAPE
PLAY
REC
MD DAT
PLAY
REC
VIDEO
AV AUX
MONITOR
VIDEO
CD/LD
AV AUX
VIDEO /REC
VISUAL SELECT

TEST MODE

Test mode bymeans of main unit keys

(1) Setting method

Plug the power cord in the AC electrical outlet while pressing the CD DIRECT key.

(2) Cancellation method

The test mode set at the beginning is cancelled when the power cord is unplugged from the AC electrical outlet.

(3) Contents

① Automatic POWER ON

The POWER turns necessarily ON, and all functins are initialized when the power cord is plugged into the AC electrical outlet while pressing the CD DIRECT KEY.

② ALL LIT mode

ALl FL and all LED light up without fail when the power cord is plugged into the AC electrical outlet while pressing the CD KEY. After that, the equipment switches to the ordinary indication mode when any key of the main unit is operated.

③ Master/LAC volume automatic motor VR UP/DOWN

The motor VR carries out the following sequence of operations when the CD REC key is operated during the test mode by means of the main unit keys

16-second UP → 16-second DOWN → STOP

The CD REC key is inhibited during these operations.

④ Check of the operations of all circuits by means of the main unit keys

The MUTING function, which is carried out only with the remote controller, can be operated also with the N.B key of the main unit during the test mode by means of the main unit keys.

⑤ MUTE signal output

Ordinary operation should be carried out during the test mode by means of the main unit keys.

Initialization

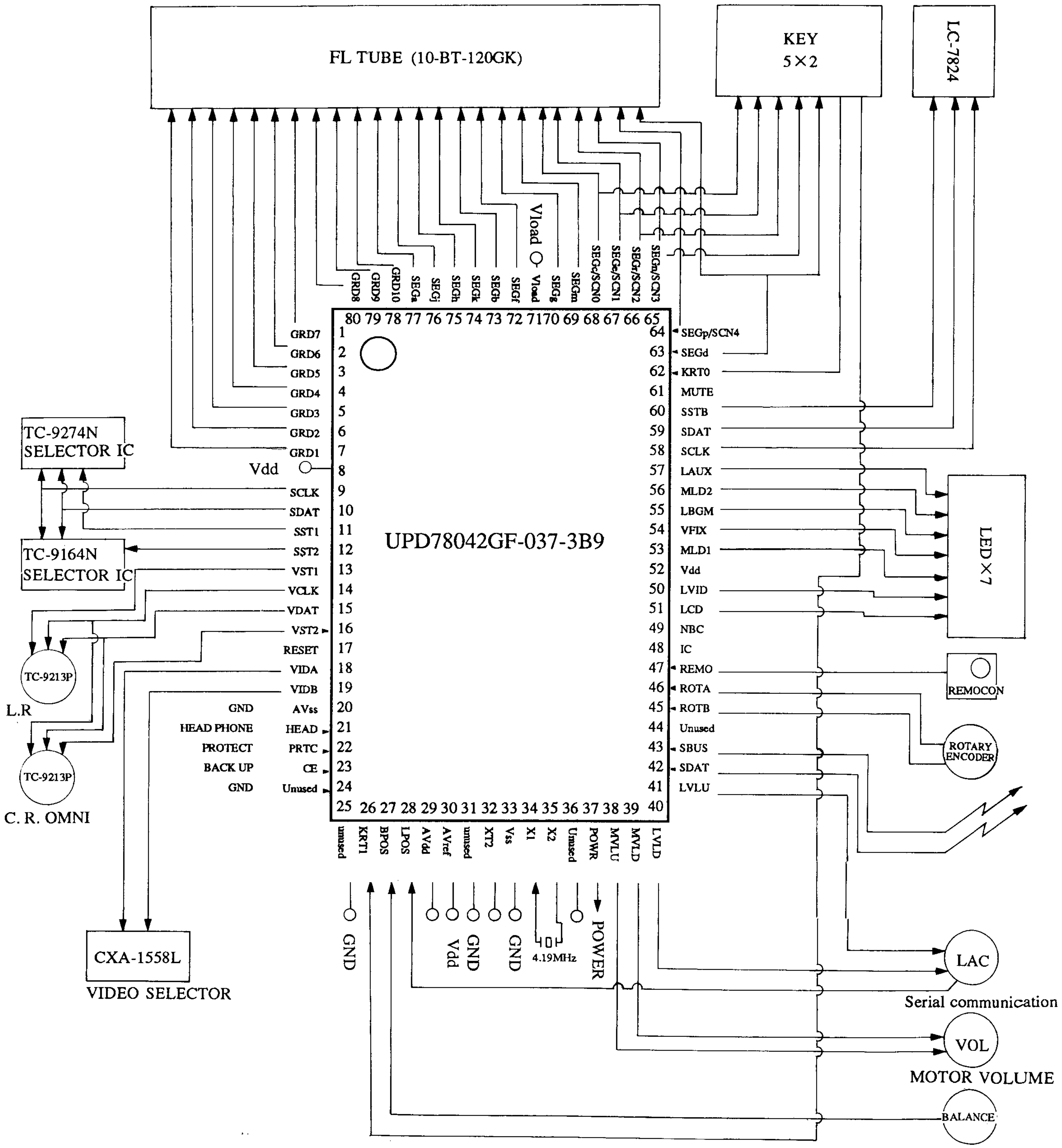
(1) Setting method

- The equipment is initialized by plugging the power cord in the AC electrical outlet while pressing the POWER key.
- The equipment is initialized when the power cord is unplugged and then plugged in the AC electrical outlet during the test mode by means of the main unit keys and the test mode by means of serial communication.

(2) Contents

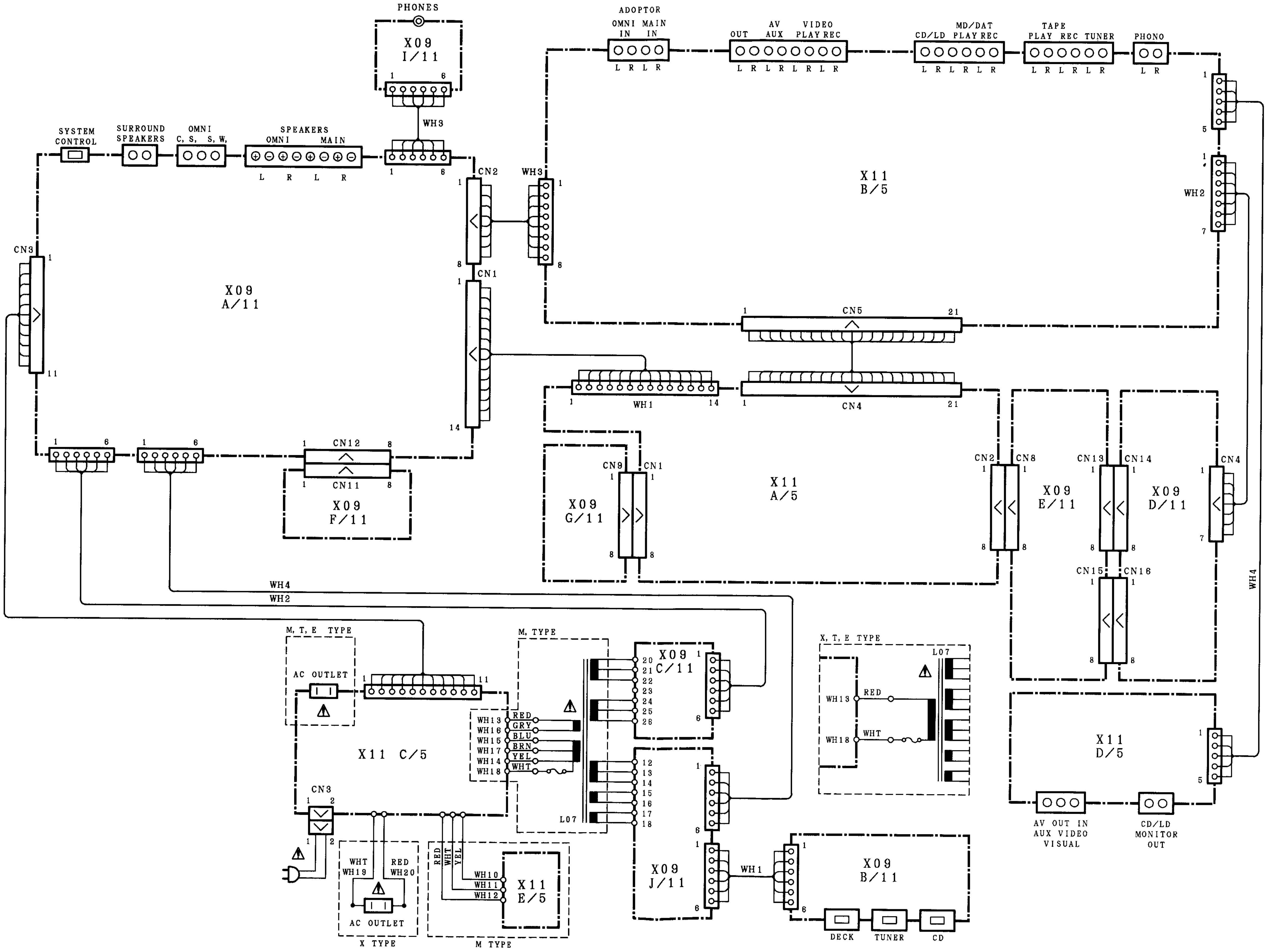
All functions are initialized. (Including test mode).

Microprocessor μPD78042GF-037-3B9 (X11: IC-101)

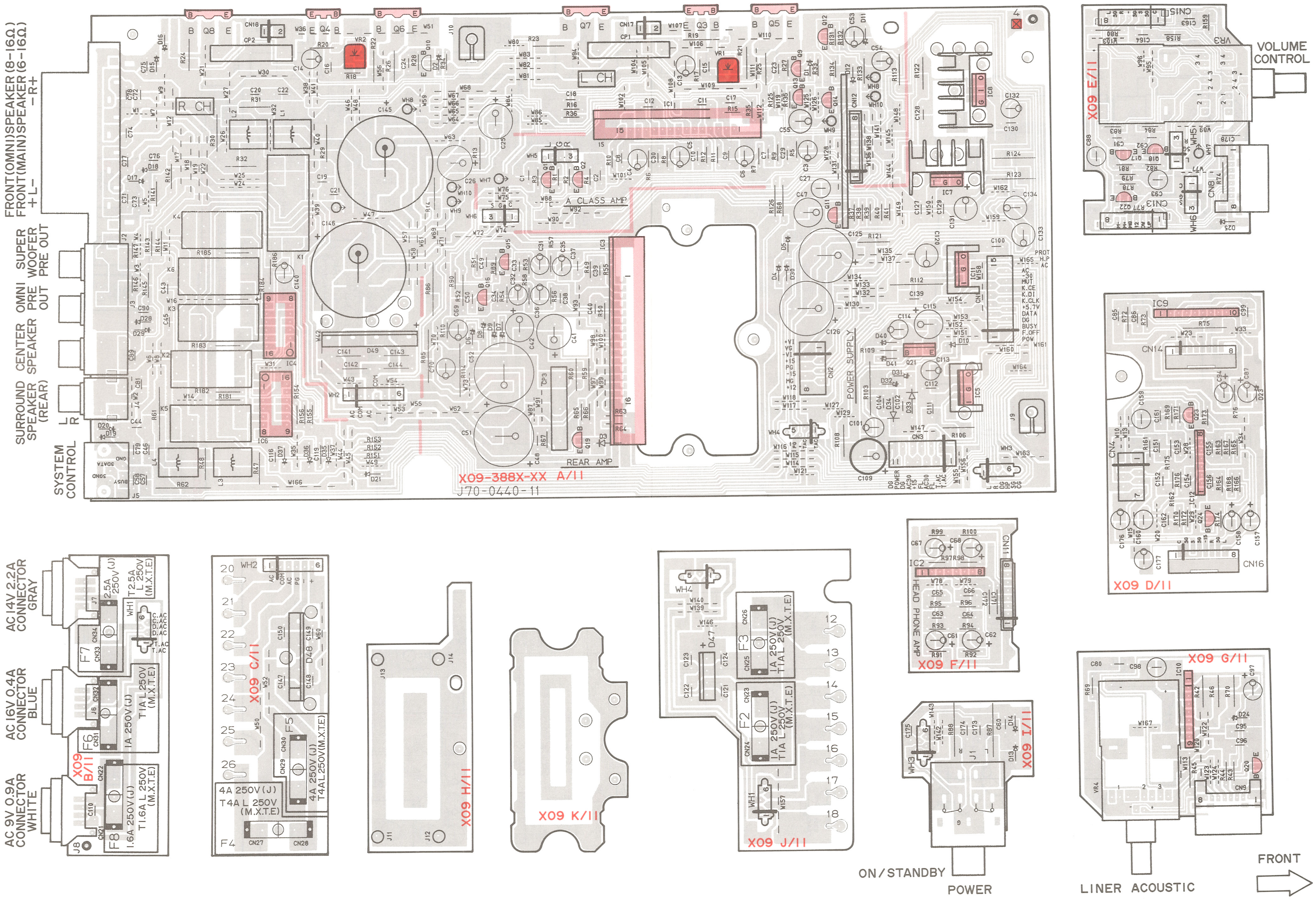

FL TUBE (10-BT-120GK)
KEY 5×2
LC-7824
UPD78042GF-037-3B9
GRD8
GRD9
GRD10
SEGj
SEGi
SEGh
SEGk
SEGb
SEGf
Vload
SEGg
SEGm
SEGc/SCN0
SEGe/SCN1
SEGn/SCN2
SEGm/SCN3
GRD7
GRD6
GRD5
GRD4
GRD3
GRD2
GRD1
Vdd
SCLK
SDAT
SST1
SST2
VST1
VCLK
VDAT
VST2
RESET
VIDA
VIDB
AVss
HEAD
PRTC
CE
Unused
GND
HEAD PHONE
PROTECT
BACK UP
GND
SEGp/SCN4
SEGd
KRT0
MUTE
SSTB
SDAT
SCLK
LAUX
MLD2
LBGM
VFIX
MLD1
Vdd
LVID
LCD
NBC
IC
REMO
ROTA
ROTB
Unused
SBUS
SDAT
LVLU
unused
KRT1
BPOS
LPOS
AVdd
AVref
unused
XT2
Vss
X1
X2
Unused
POWR
MVLU
MVLD
LVLD
GND
Vdd
GND
GND
4.19MHz
POWER
TC-9274N SELECTOR IC
TC-9164N SELECTOR IC
TC-9213P
L.R
TC-9213P
C. R. OMNI
CXA-1558L
VIDEO SELECTOR
LED×7
REMOCON
ROTARY ENCODER
LAC
Serial communication
VOL
MOTOR VOLUME
BALANCE

A-87/97 A-87/97

WIRING DIAGRAM

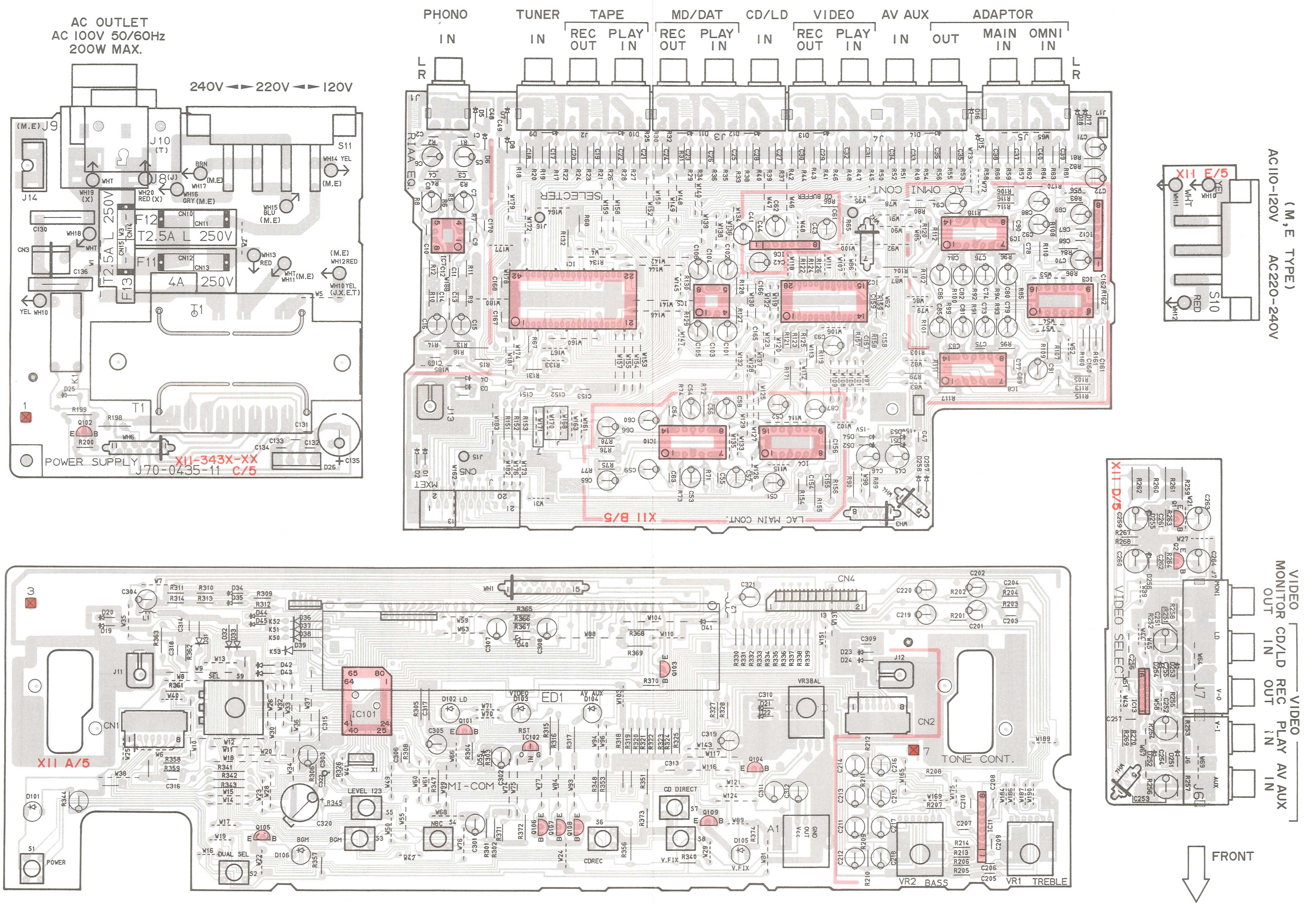

PHONES
X09 I/11
WH3
ADOPTOR
OMNI IN
MAIN IN
L R L R
OUT
AV AUX
VIDEO PLAY REC
L R L R L R L R
CD/LD
MD/DAT PLAY REC
L R L R L R
TAPE PLAY REC
TUNER
L R L R L R
PHONO
L R
SYSTEM CONTROL
SURROUND SPEAKERS
OMNI C, S, S, W,
SPEAKERS
OMNI
MAIN
L R L R
CN2
WH3
X11 B/5
WH2
CN3
X09 A/11
CN1
CN5
WH1
CN4
CN12
CN11
X09 F/11
CN9
CN1
X09 G/11
X11 A/5
CN2
CN8
X09 E/11
CN13
CN14
X09 D/11
CN4
CN15
CN16
WH4
WH4
WH2
M, T, E TYPE
AC OUTLET
M, TYPE
X09 C/11
X11 C/5
WH13 RED
WH16 GRY
WH15 BLU
WH17 BRN
WH14 YEL
WH18 WHT
L07
CN3
X, T, E TYPE
L07
WH13 RED
WH18 WHT
X11 D/5
AV OUT IN AUX VIDEO VISUAL
CD/LD MONITOR OUT
WHT WH19
RED WH20
AC OUTLET
X TYPE
RED
WHT
YEL
WH10
WH11
WH12
X11 E/5
M TYPE
X09 J/11
WH1
X09 B/11
DECK
TUNER
CD

PC BOARD (Component side view) AUDIO UNIT (X09-388X-XX)


FRONT(OMNI)SPEAKER(8~16Ω)
FRONT(MAIN)SPEAKER(6~16Ω)
+L− −R+
SUPER WOOFER PRE OUT
OMNI PRE OUT
CENTER SPEAKER
SURROUND SPEAKER (REAR)
L R
SYSTEM CONTROL
R CH
L CH
A CLASS AMP
REAR AMP
POWER SUPPLY
X09-388X-XX A/11
J70-0440-11
X09 E/11
VOLUME CONTROL
X09 D/11
X09 F/11
HEAD PHONE AMP
X09 G/11
X09 I/11
ON/STANDBY
POWER
LINER ACOUSTIC
FRONT
X09 B/11
AC 14V 2.2A CONNECTOR GRAY
AC 16V 0.4A CONNECTOR BLUE
AC 9V 0.9A CONNECTOR WHITE
2.5A 250V(J)
T2.5A L 250V (M.X.T.E)
1A 250V(J)
T1A L 250V (M.X.T.E)
1.6A 250V(J)
T1.6A L 250V (M.X.T.E)
F7
F6
F8
X09 C/11
4A 250V(J)
T4A L 250V (M.X.T.E)
F4
F5
X09 H/11
X09 K/11
X09 J/11
1A 250V(J)
T1A L 250V (M.X.T.E)
F3
F2

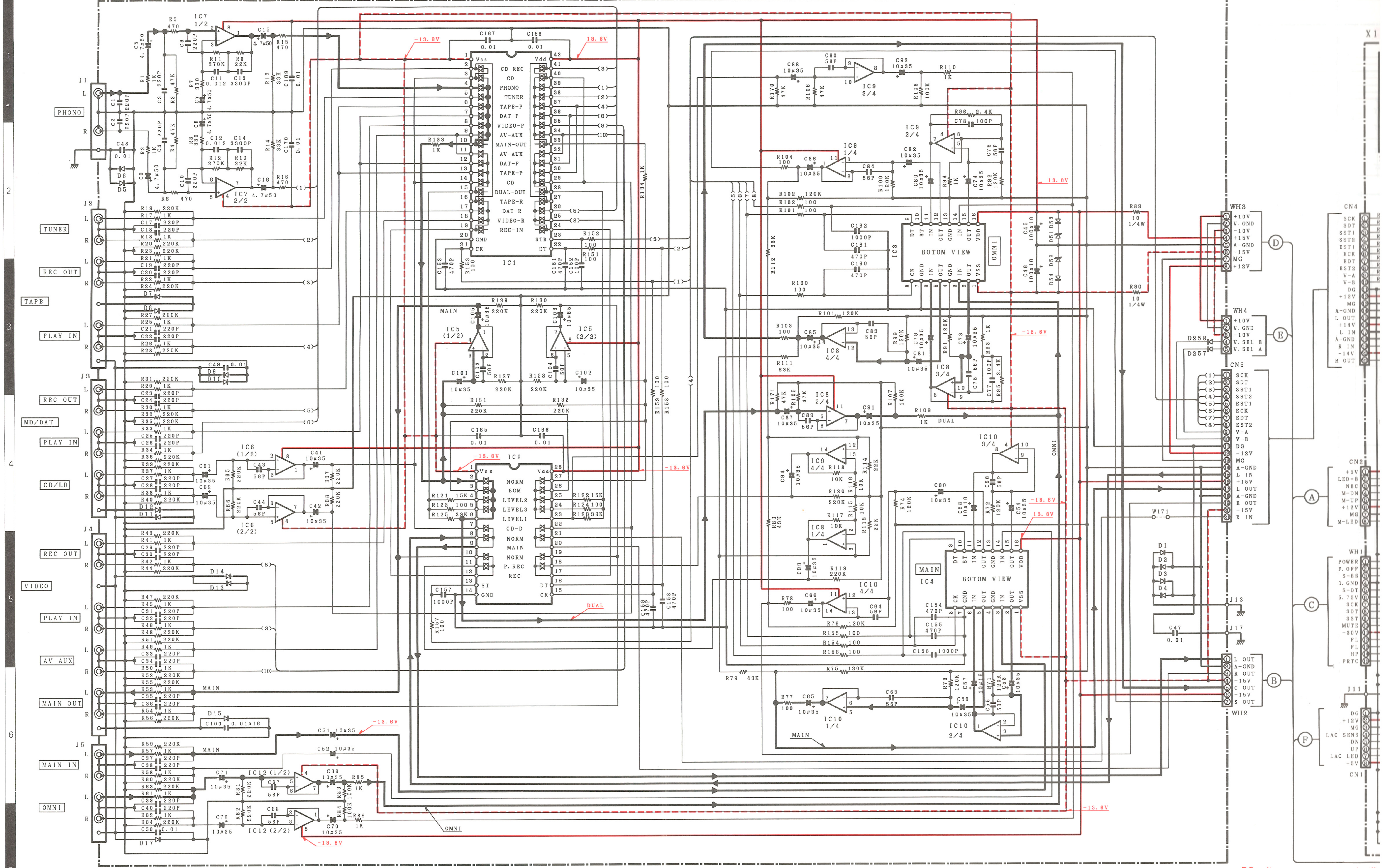
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Component side view)   CONTROL UNIT (X11-343X-XX)

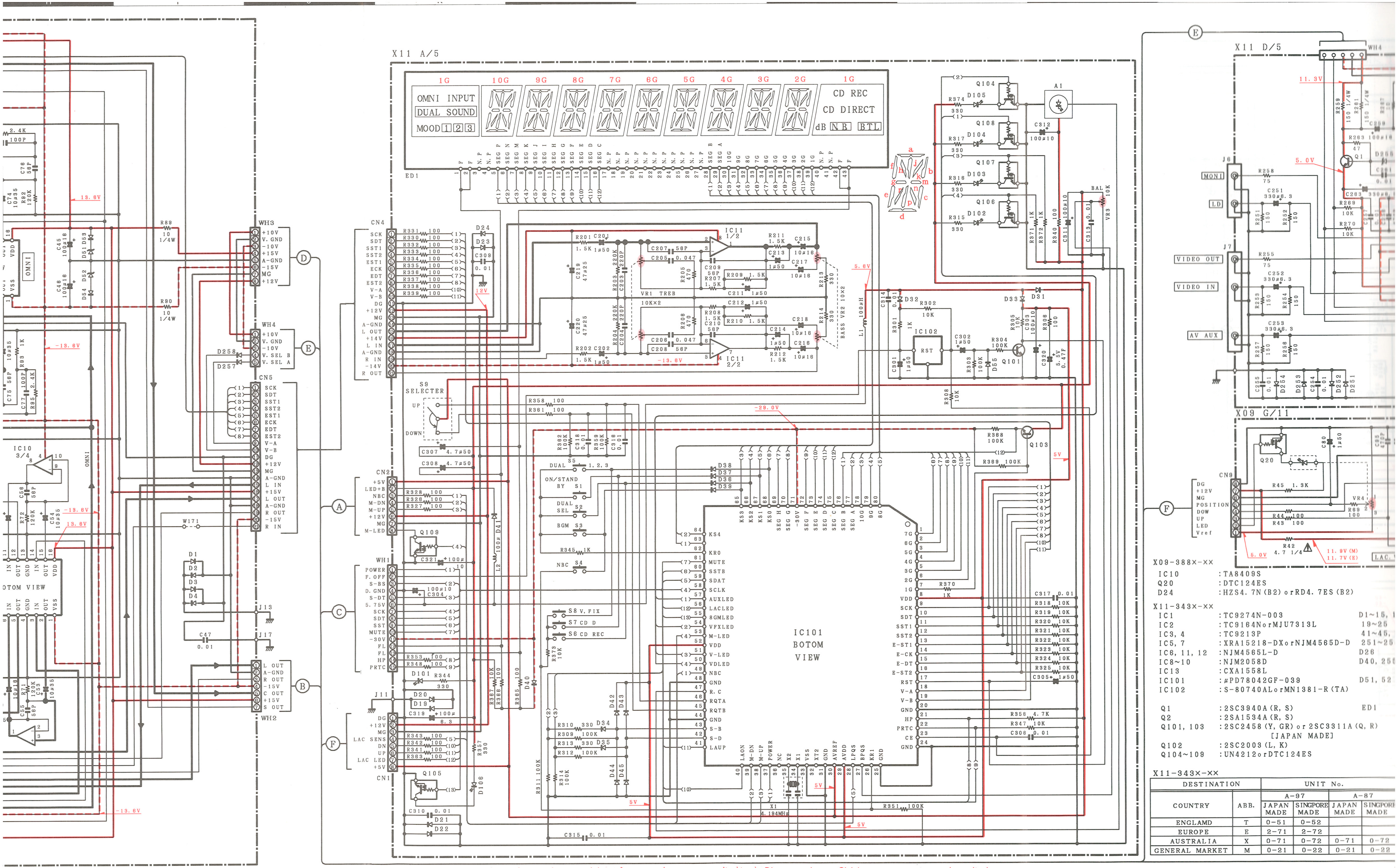

AC OUTLET
AC 100V 50/60Hz
200W MAX.
240V ◄► 220V ◄► 120V
(M.E) J9
J10 (T)
J14
J8 (J)
S11
WH14 YEL
(M.E)
BRN
WH17
WHT
WH19 (X)
WH20 RED (X)
WH16 GRY (M.E)
WH15 BLU (M.E)
WH18
WH13 RED
(M.E) WH12 RED
WHT WH11 (M.E)
WH10 YEL (J.X.E.T)
YEL WH10
F12 T2.5A L 250V
F11 4A 250V
F13 T2.5A L 250V
CN10
CN11
CN12
CN13
CN14
CN15
CN3
C130
C136
T1
K1
D25
R199
R198
Q102
R200
WH6
C131
C132
C133
C134
C135
D26
POWER SUPPLY
X11-343X-XX
J70-0435-11 C/5
PHONO
IN
TUNER
IN
TAPE
REC OUT
PLAY IN
MD/DAT
REC OUT
PLAY IN
CD/LD
IN
VIDEO
REC OUT
PLAY IN
AV AUX
IN
ADAPTOR
OUT
MAIN IN
OMNI IN
L
R
J1
J2
J3
J4
J5
J13
RIAA EQ
SELECTER
BUFFER
OMNI CONT.
AC
IC1
IC2
IC3
IC4
IC5
IC6
IC7
IC8
IC9
IC10
IC11
IC12
GND
MXET
X11 B/5
LAC MAIN CONT.
WH3
X11 E/5
WHT
YEL
RED
S10
(M,E TYPE)
AC110-120V
AC220-240V
X11 D/5
VIDEO SELECT
VIDEO MONITOR OUT
CD/LD IN
REC OUT
VIDEO PLAY IN
AV AUX IN
J6
J7
IC13
X11 A/5
CN1
CN2
CN4
J11
J12
IC101
IC102
ED1
VIDEO
AV AUX
LD
RST
MI-COM
LEVEL
DUAL SEL
SEL
BGM
NBC
CDREC
CD DIRECT
V.FIX
A1
VR38AL
VR1
VR2
TONE CONT.
BASS
TREBLE
S1
POWER
S2
S3
S4
S5
S6
S7
S8
FRONT

Refer to the schematic diagram for the values of resistors and capacitors.

X11-343X-XX B/5


1
2
3
4
5
6
7
J1
PHONO
L
R
J2
TUNER
REC OUT
TAPE
PLAY IN
J3
MD/DAT
CD/LD
J4
VIDEO
AV AUX
MAIN OUT
J5
MAIN IN
OMNI
IC7 1/2
IC7 2/2
IC1
Vss
Vdd
CD REC
CD
PHONO
TUNER
TAPE-P
DAT-P
VIDEO-P
AV-AUX
MAIN-OUT
AV-AUX
DAT-P
TAPE-P
CD
DUAL-OUT
TAPE-R
DAT-R
VIDEO-R
REC-IN
GND
CK
STB
DT
IC2
NORM
BGM
LEVEL2
LEVEL3
LEVEL1
CD-D
NORM
MAIN
NORM
P. REC
REC
ST
GND
DT
CK
IC5 (1/2)
IC5 (2/2)
IC6 (1/2)
IC6 (2/2)
IC12 (1/2)
IC12 (2/2)
MAIN
DUAL
OMNI
-13. 6V
13. 6V
IC3
BOTOM VIEW
OMNI
IC4
BOTOM VIEW
MAIN
IC8 1/4
IC8 2/4
IC8 3/4
IC8 4/4
IC9 1/4
IC9 2/4
IC9 3/4
IC9 4/4
IC10 1/4
IC10 2/4
IC10 3/4
IC10 4/4
WH3
+10V
V. GND
-10V
+15V
A-GND
-15V
MG
+12V
WH4
+10V
V. GND
-10V
V. SEL B
V. SEL A
CN5
SCK
SDT
SST1
SST2
EST1
ECK
EDT
EST2
V-A
V-B
DG
+12V
MG
A-GND
L IN
+15V
L OUT
A-GND
R OUT
-15V
R IN
WH2
L OUT
A-GND
R OUT
-15V
C OUT
+15V
S OUT
J13
J17
W171
CN4
CN2
+5V
LED+B
NBC
M-DN
M-UP
+12V
MG
M-LED
WH1
POWER
F. OFF
S-BS
D. GND
S-DT
5. 75V
SCK
SDT
SST
MUTE
-30V
FL
FL
HP
PRTC
J11
DG
+12V
MG
LAC SENS
DN
UP
LAC LED
+5V
CN1
A
B
C
D
E
F
X1

DC voltages are as measured with
ter with no signal input. Values ma
tions between individual instrument


X11 A/5
X11 D/5
X09 G/11
ED1
1G
10G
9G
8G
7G
6G
5G
4G
3G
2G
OMNI INPUT
DUAL SOUND
MOOD 1 2 3
CD REC
CD DIRECT
dB NB BTL
IC101
BOTOM VIEW
IC11 1/2
IC11 2/2
IC102
IC10 3/4
CN1
CN2
CN4
CN5
CN9
WH1
WH2
WH3
WH4
J6
J7
J11
J13
J17
S9 SELECTER
S1 ON/STAND BY
S2 DUAL SEL
S3 BGM
S4 NBC
S5 DUAL
S6 CD REC
S7 CD D
S8 V. FIX
VR1 TREB
VR2 BASS
VR3 BAL
VR4
MONI
LD
VIDEO OUT
VIDEO IN
AV AUX
LAC SENS
LAC LED
X1 4.194MHz
A1
Q1
Q20
Q101
Q102
Q103
Q104
Q105
Q106
Q107
Q108
Q109
13.8V
-13.8V
-29.0V
5.0V
5.6V
5V
11.3V
12V
11.9V (M)
11.7V (E)
OTOM VIEW
OMNI

X09-388X-XX
IC10 :TA8409S
Q20 :DTC124ES
D24 :HZS4.7N(B2) or RD4.7ES(B2)

X11-343X-XX
IC1 :TC9274N-003 D1~15, 1
IC2 :TC9164N or MJU7313L 19~25
IC3, 4 :TC9213P 41~45,
IC5, 7 :XRA15218-DX or NJM4565D-D 251~25
IC6, 11, 12 :NJM4565L-D D26
IC8~10 :NJM2058D D40, 25
IC13 :CXA1558L
IC101 :μPD78042GF-039 D51, 52
IC102 :S-80740AL or MN1381-R(TA)

Q1 :2SC3940A(R, S) ED1
Q2 :2SA1534A(R, S)
Q101, 103 :2SC2458(Y, GR) or 2SC3311A(Q, R)
[JAPAN MADE]
Q102 :2SC2003(L, K)
Q104~109 :UN4212 or DTC124ES

X11-343X-XX

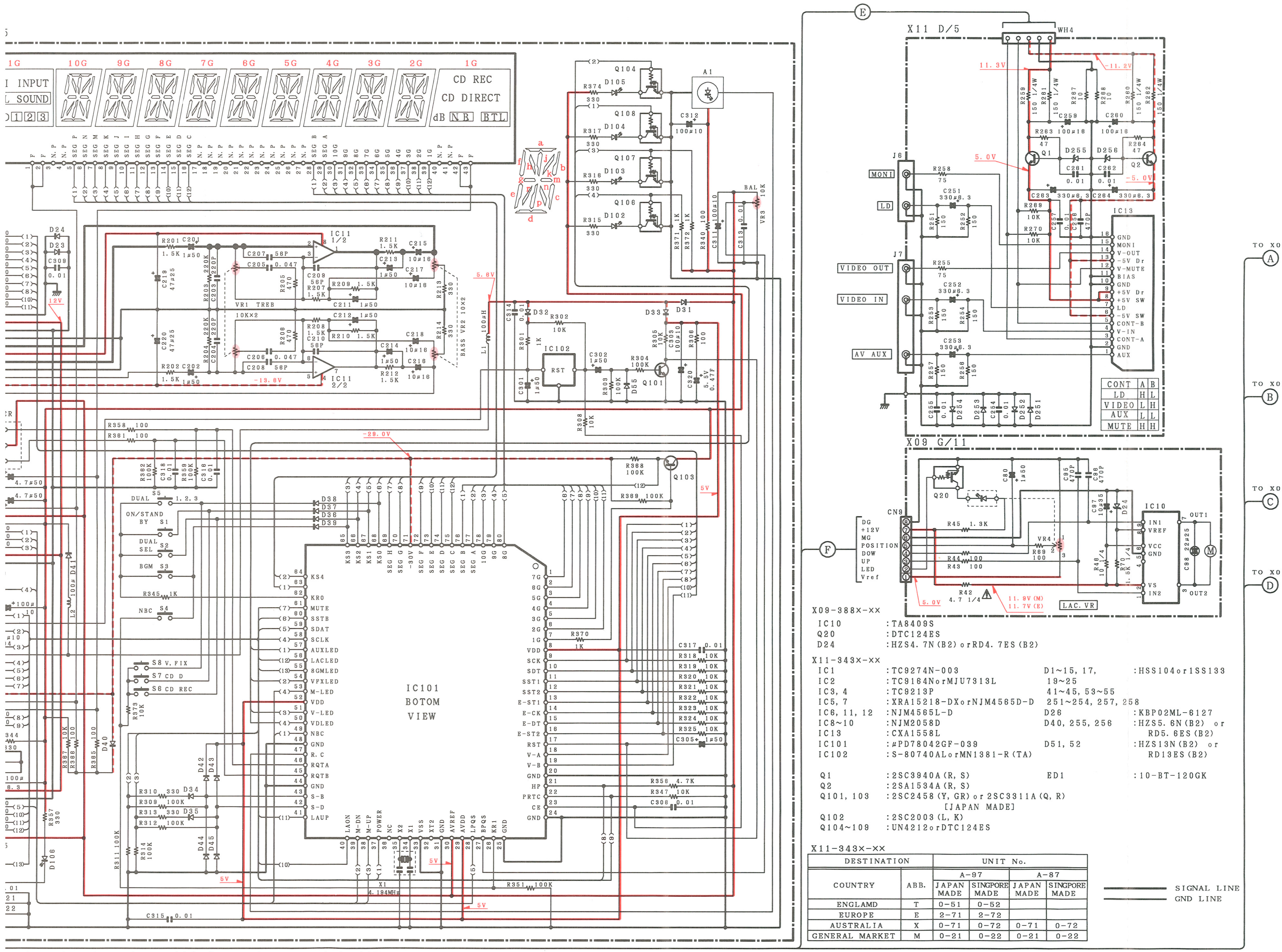
DESTINATION		UNIT No.			
		A-97		A-87	
COUNTRY	ABB.	JAPAN MADE	SINGPORE MADE	JAPAN MADE	SINGPORE MADE
ENGLAMD	T	0-51	0-52		
EUROPE	E	2-71	2-72		
AUSTRALIA	X	0-71	0-72	0-71	0-72
GENERAL MARKET	M	0-21	0-22	0-21	0-22

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leak shall be carried out (expo the supply circuit) before er.


1G
10G
9G
8G
7G
6G
5G
4G
3G
2G
1G
INPUT
SOUND
CD REC
CD DIRECT
dB
NB
BTL
A1
BAL 10K
VR3
IC11 1/2
IC11 2/2
VR1 TREB 10K×2
BASS VR2 10K×2
IC102
RST
Q101
Q103
Q104
Q105
Q106
Q107
Q108
IC101
BOTOM
VIEW
DUAL
ON/STAND BY
DUAL SEL
BGM
NBC
S1
S2
S3
S4
S5
S6 CD REC
S7 CD D
S8 V. FIX
X1 4.194MHz
5. 0V
-28. 0V
-13. 6V
12V
5V
X11 D/5
WH4
11. 3V
-11. 2V
-5. 0V
J6
J7
MONI
LD
VIDEO OUT
VIDEO IN
AV AUX
IC13
CONT
A
B
LD
H
L
VIDEO
L
H
AUX
L
L
MUTE
H
H
X09 G/11
CN9
DG
+12V
MG
POSITION
DOW
UP
LED
Vref
Q20
IC10
VR4
LAC. VR
11. 9V (M)
11. 7V (E)
TO X09 CN8
TO X09 CN4
TO X09 CN1
TO X09 CN2
A
B
C
D
E
F
2/2
SIGNAL LINE
GND LINE

X09-388×-××

IC10 :TA8409S
Q20 :DTC124ES
D24 :HZS4. 7N (B2) orRD4. 7ES (B2)

X11-343×-××

IC1 :TC9274N-003
IC2 :TC9164NorMJU7313L
IC3, 4 :TC9213P
IC5, 7 :XRA15218-DXorNJM4565D-D
IC6, 11, 12 :NJM4565L-D
IC8~10 :NJM2058D
IC13 :CXA1558L
IC101 :µPD78042GF-039
IC102 :S-80740ALorMN1381-R (TA)

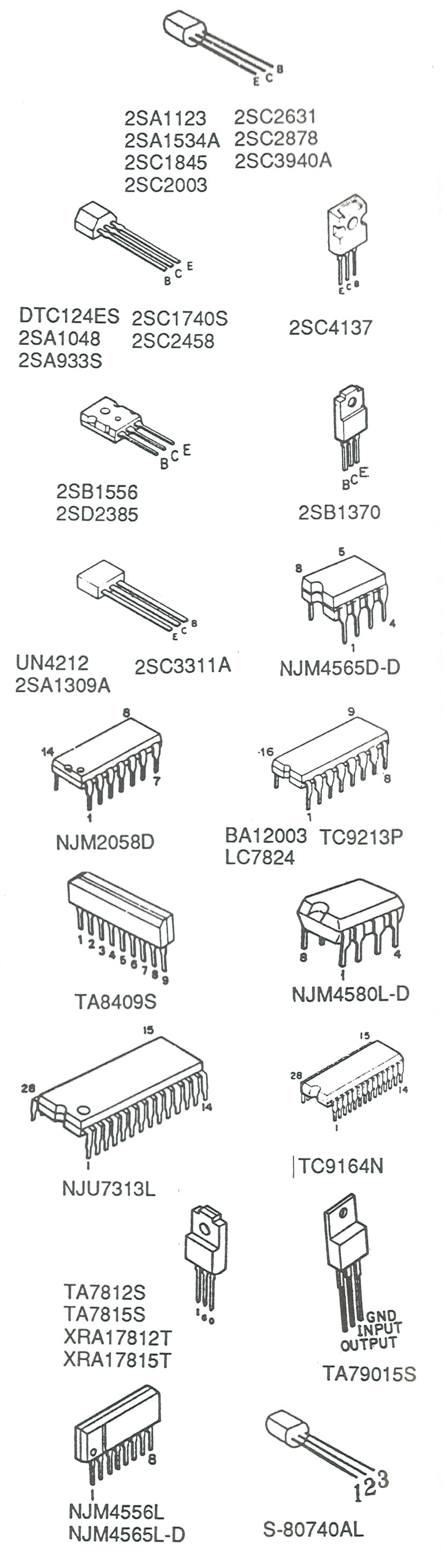
D1~15, 17, 19~25 41~45, 53~55 251~254, 257, 258 :HSS104or1SS133
D26 :KBP02ML-6127
D40, 255, 256 :HZS5. 6N (B2) or RD5. 6ES (B2)
D51, 52 :HZS13N (B2) or RD13ES (B2)

Q1 :2SC3940A (R, S)
Q2 :2SA1534A (R, S)
Q101, 103 :2SC2458 (Y, GR) or 2SC3311A (Q, R) [JAPAN MADE]
Q102 :2SC2003 (L, K)
Q104~109 :UN4212orDTC124ES

ED1 :10-BT-120GK

X11-343×-××

DESTINATION		UNIT No.			
COUNTRY	ABB.	A-97		A-87	
		JAPAN MADE	SINGPORE MADE	JAPAN MADE	SINGPORE MADE
ENGLAMD	T	0-51	0-52		
EUROPE	E	2-71	2-72		
AUSTRALIA	X	0-71	0-72	0-71	0-72
GENERAL MARKET	M	0-21	0-22	0-21	0-22


2SA1123
2SA1534A
2SC1845
2SC2003
2SC2631
2SC2878
2SC3940A
E C B
DTC124ES
2SA1048
2SA933S
2SC1740S
2SC2458
2SC4137
2SB1556
2SD2385
2SB1370
UN4212
2SA1309A
2SC3311A
NJM4565D-D
NJM2058D
BA12003
TC9213P
LC7824
TA8409S
NJM4580L-D
NJU7313L
TC9164N
TA7812S
TA7815S
XRA17812T
XRA17815T
TA79015S
GND
INPUT
OUTPUT
NJM4556L
NJM4565L-D
S-80740AL

mpedance voltme-
ghtly due to varia-
units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

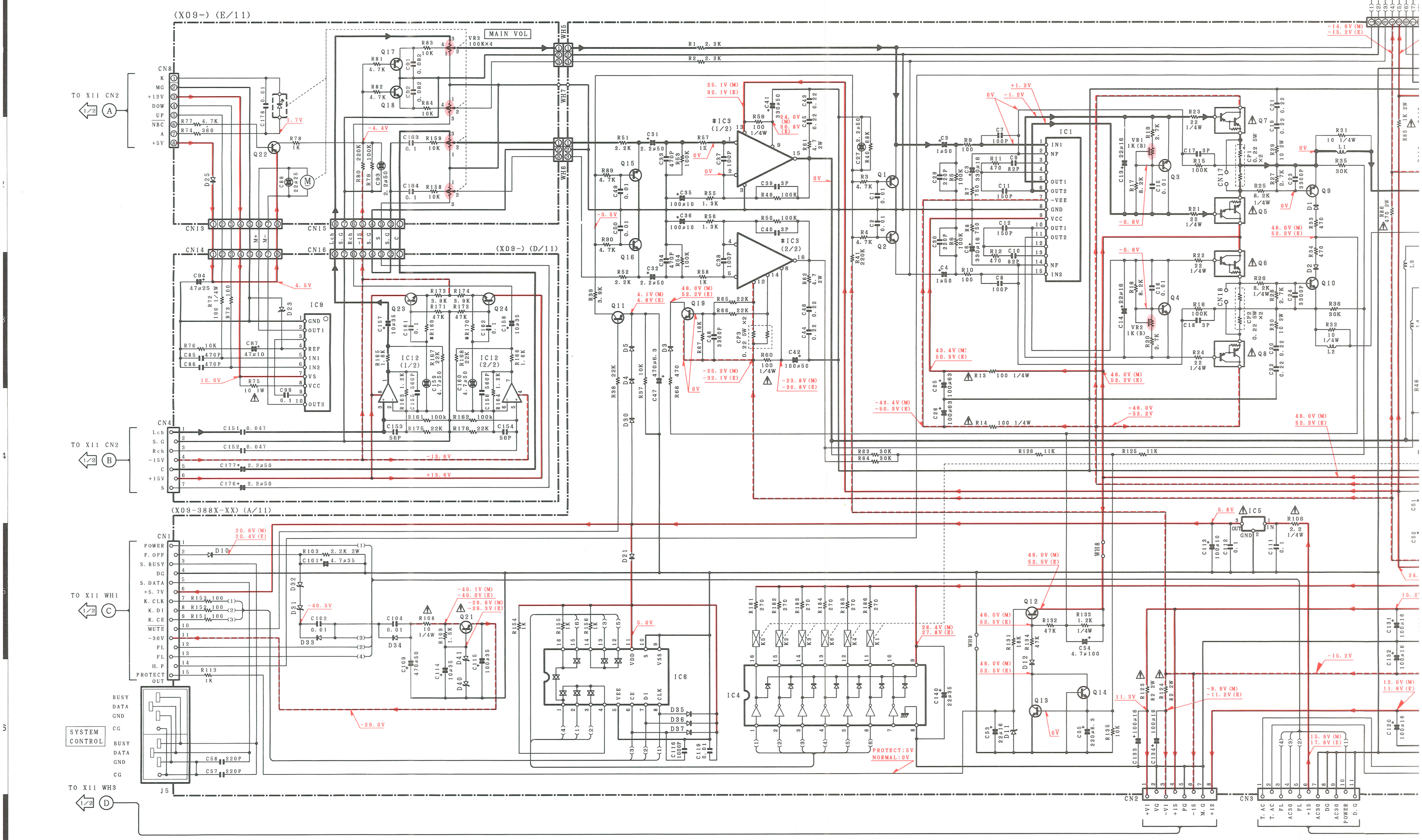
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

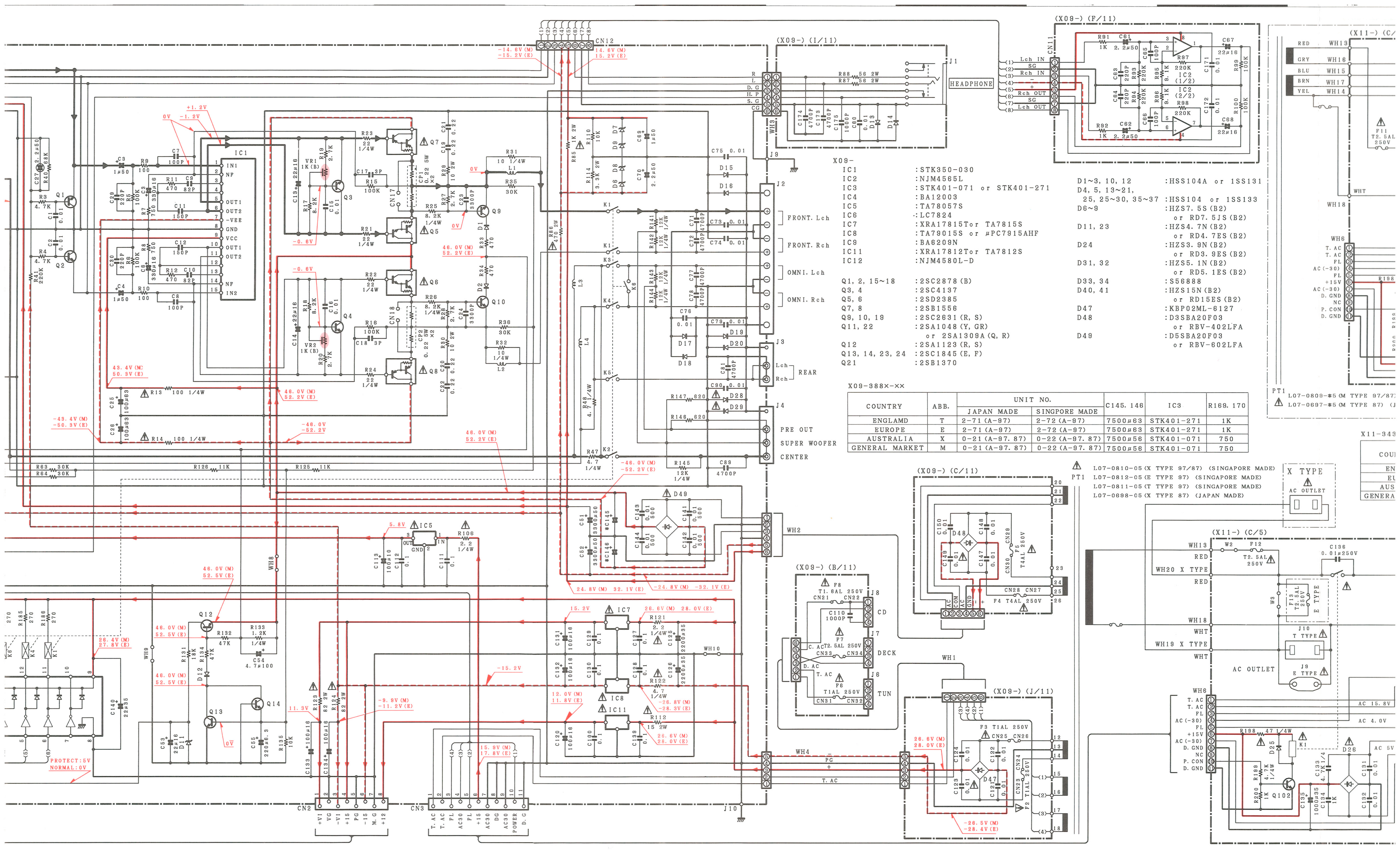
1/2

Y08-4860-21

A-87/97

KENWOOD


(X09-) (E/11)
(X09-) (D/11)
(X09-388X-XX) (A/11)
TO X11 CN2
1/2
A
TO X11 CN2
1/2
B
TO X11 WH1
1/2
C
TO X11 WH3
1/2
D
CN8
K
MG
+12V
DOW
UP
NBC
A
+5V
CN13
CN14
CN15
CN16
CN4
Lch
S.G
Rch
-15V
C
+15V
S
CN1
POWER
F.OFF
S.BUSY
DG
S.DATA
+5.7V
K.CLK
K.DI
K.CE
MUTE
-30V
FL
FL
H.P
PROTECT OUT
SYSTEM CONTROL
BUSY
DATA
GND
CG
BUSY
DATA
GND
CG
J5
MAIN VOL
VR3 100K×4
WH5
WH7
WH6
WH8
WH9
Q17
Q18
Q22
Q15
Q16
Q11
Q19
Q23
Q24
Q21
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q12
Q13
Q14
IC1
IN1
NF
OUT1
OUT2
-VEE
GND
VCC
OUT1
OUT2
NF
IN2
*IC3 (1/2)
*IC3 (2/2)
IC9
GND
OUT1
REF
IN1
IN2
VS
VCC
OUT2
IC12 (1/2)
IC12 (2/2)
IC6
VDD
VSS
VEE
CE
DI
CLK
IC4
IC5
OUT
IN
GND
CN17
CN18
CN2
+V1
VG
-V1
+15
PG
-15
M.G
+12
CN3
T.AC
T.AC
AC30
FL
FL
+15
AC30
DG
AC30
POWER
D.G
R1 2.2K
R2 2.2K
R83 10K
R84 10K
R81 4.7K
R82 4.7K
C91 0.082
C92 0.082
R159 10K
R158 10K
C163 0.1
C164 0.1
R77 4.7K
R74 360
R78 1K
C178 0.01
R80 220K
R79 100K
C93 2.2μ50
C88 22μ25
D25
C94 47μ25
R72 100 1/4W
R73 100
D23
R76 10K
C87 47μ10
C85 470P
C86 470P
R75 10 1W
C99 0.1
R173 3.9K
R174 3.9K
R171 47K
R172 47K
*R169
*R170
C157 10μ35
C161 0.1
C162 0.1
C158 10μ35
R165 1.8K
R167 22K
R168 22K
R166 1.8K
R163 1.2K
R164 1.2K
C155 560P
C156 560P
C159 4.7μ50
C160 4.7μ50
R161 100k
R162 100k
C153 56P
C154 56P
R175 22K
R176 22K
C151 0.047
C152 0.047
C177 2.2μ50
C176 2.2μ50
R51 2.2K
C31 2.2μ50
R57 1K
R89 4.7K
C49 0.01
C50 0.01
R90 4.7K
C33 470P
R53 100K
C37 100P
C35 100μ10
R55 1.3K
C36 100μ10
R56 1.3K
R59 100 1/4W
C41 330μ50
C43 0.22
C45 0.22
R61 4.7 2W
C39 3P
R49 100K
R50 100K
C40 3P
C34 470P
R54 100K
C38 100P
R52 2.2K
C32 2.2μ50
R58 1K
R62 4.7 2W
C46 0.22
C44 0.22
R39 3.9K
D5
D4
D30
D3
R38 22K
R37 10K
C47 470μ6.3
R68 470
R65 22K
R66 22K
R67 18K
C48 3300P
CP3 0.22 5W ×2
R60 100 1/4W
C42 100μ50
C27 2.2μ50
R40 68K
R3 4.7K
R4 4.7K
C1 0.01
C2 0.01
R41 220K
C3 1μ50
R9 100
C7 100P
C29 220P
R5 100K
C5 330μ16
R7 750
R11 470
C9 82P
C11 150P
C30 220P
R6 100K
C6 330μ16
R8 750
C12 150P
R12 470
C10 82P
C4 1μ50
R10 100
C8 100P
C25 100μ63
C26 100μ63
R13 100 1/4W
R14 100 1/4W
R63 30K
R64 30K
R126 11K
R125 11K
C13 22μ16
VR1 1K (B)
R19 2.7K
R17 8.2K
C15 0.01
R15 100K
C17 3P
R23 22 1/4W
R21 22 1/4W
CP1 0.22 5W ×2
C19 0.22
C21 0.22
R29 10 2W
R27 2.7K
R25 8.2K 1/4W
C23 3300P
R31 10 1/4W
L1
R35 30K
R33 470
R34 470
D1
D2
C14 22μ16
R18 8.2K
C16 0.01
VR2 1K (B)
R20 2.7K
R16 100K
C18 3P
R22 22 1/4W
R24 22 1/4W
R26 8.2K 1/4W
R28 2.7K
C24 3300P
CP2 0.22 5W ×2
R30 10 2W
C20 0.22
C22 0.22
R36 30K
R32 10 1/4W
L2
R85 1K 2W
R86 470 2W
D10
R103 2.2K 2W
C101 4.7μ35
R153 100
R152 100
R151 100
R113 1K
C58 220P
C57 220P
D32
D31
C102 0.01
D33
C104 0.01
D34
R108 10 1/4W
C108 470μ50
R109 1.5K
C114
C115 100μ35
D41
D40
R154 1K
R155 1K
R156 1K
D21
D35
D36
D37
C116 1000P
C118 0.01
R181 270
R182 270
R183 270
R184 270
R185 270
R186 270
K5
K2
K3
K6
K4
K1
C140 22μ35
R132 47K
R133 1.2K 1/4W
C54 4.7μ100
R131 18K
R134 47K
D12
C53 22μ16
D11
C55 220μ6.3
R135 10K
C133 100μ16
C134 100μ16
R123 82 2W
R124 82 2W
C113 100μ10
C112 0.1
C111 0.1
R106 2.2 1/4W
C131 100μ16
C132 100μ16
C120 100μ16
C51
C52
L3
R48
1.7V
-4.4V
4.5V
12.0V
25.1V (M)
32.1V (E)
24.0V (M)
30.8V (E)
0V
-3.5V
4.1V (M)
4.8V (E)
46.0V (M)
52.2V (E)
-25.2V (M)
-32.1V (E)
-23.8V (M)
-30.8V (E)
+1.2V
-1.2V
-0.6V
43.4V (M)
50.3V (E)
-43.4V (M)
-50.3V (E)
46.0V (M)
52.2V (E)
-46.0V
-52.2V
-14.8V (M)
-15.2V (E)
-13.6V
+13.6V
20.6V (M)
20.4V (E)
-40.3V
-40.1V (M)
-40.0V (E)
-29.6V (M)
-29.3V (E)
-29.0V
5.0V
26.4V (M)
27.8V (E)
PROTECT:5V
NORMAL:0V
46.0V (M)
52.5V (E)
5.8V
11.3V
-15.2V
-9.9V (M)
-11.2V (E)
12.0V (M)
11.8V (E)
15.9V (M)
17.8V (E)
15.2V
24.


(X09-) (I/11)
(X09-) (F/11)
(X09-) (C/11)
(X09-) (B/11)
(X09-) (J/11)
(X11-) (C/5)
HEADPHONE
FRONT. Lch
FRONT. Rch
OMNI. Lch
OMNI. Rch
REAR
PRE OUT
SUPER WOOFER
CENTER
CD
DECK
TUN
AC OUTLET
X TYPE
T TYPE
E TYPE
PROTECT:5V
NORMAL:0V
CN2
CN3
CN12
WH1
WH2
WH4

X09-

IC1 :STK350-030
IC2 :NJM4565L
IC3 :STK401-071 or STK401-271
IC4 :BA12003
IC5 :TA78057S
IC6 :LC7824
IC7 :XRA17815Tor TA7815S
IC8 :TA79015S or μPC7915AHF
IC9 :BA6209N
IC11 :XRA17812Tor TA7812S
IC12 :NJM4580L-D

Q1, 2, 15~18 :2SC2878 (B)
Q3, 4 :2SC4137
Q5, 6 :2SD2385
Q7, 8 :2SB1556
Q9, 10, 19 :2SC2631 (R, S)
Q11, 22 :2SA1048 (Y, GR)
or 2SA1309A (Q, R)
Q12 :2SA1123 (R, S)
Q13, 14, 23, 24 :2SC1845 (E, F)
Q21 :2SB1370

D1~3, 10, 12 :HSS104A or 1SS131
D4, 5, 13~21,
25, 25~30, 35~37 :HSS104 or 1SS133
D6~9 :HZS7. 5S (B2)
or RD7. 5JS (B2)
D11, 23 :HZS4. 7N (B2)
or RD4. 7ES (B2)
D24 :HZS3. 9N (B2)
or RD3. 9ES (B2)
D31, 32 :HZS5. 1N (B2)
or RD5. 1ES (B2)
D33, 34 :S56888
D40, 41 :HZS15N (B2)
or RD15ES (B2)
D47 :KBP02ML-6127
D48 :D3SBA20F03
or RBV-402LFA
D49 :D5SBA20F03
or RBV-602LFA

X09-388×-××

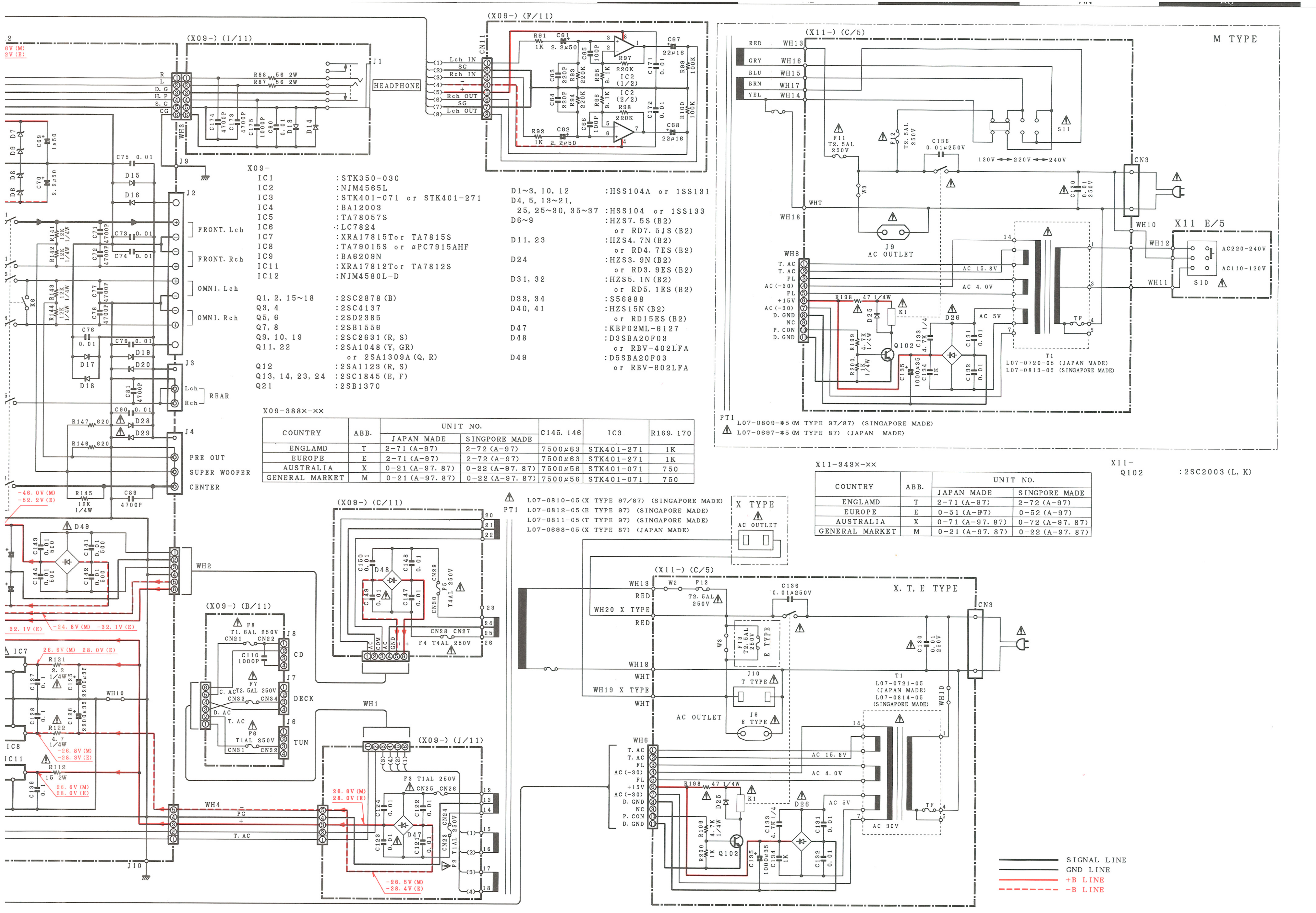
COUNTRY	ABB.	UNIT NO.		C145. 146	IC3	R169. 170
		JAPAN MADE	SINGPORE MADE			
ENGLAMD	T	2-71 (A-97)	2-72 (A-97)	7500μ63	STK401-271	1K
EUROPE	E	2-71 (A-97)	2-72 (A-97)	7500μ63	STK401-271	1K
AUSTRALIA	X	0-21 (A-97. 87)	0-22 (A-97. 87)	7500μ56	STK401-071	750
GENERAL MARKET	M	0-21 (A-97. 87)	0-22 (A-97. 87)	7500μ56	STK401-071	750

⚠ PT1
L07-0810-05 (X TYPE 97/87) (SINGAPORE MADE)
L07-0812-05 (E TYPE 97) (SINGAPORE MADE)
L07-0811-05 (T TYPE 97) (SINGAPORE MADE)
L07-0698-05 (X TYPE 87) (JAPAN MADE)

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden
hochohmigen Spannungsmesser ohne Ein
gemessen. Dabei schwanken die Meßwerte aufgru
terschieden zwischen einzelnen Instrumenten ode
U. geringfügig.


(X09-) (I/11)
HEADPHONE
J1
(X09-) (F/11)
CN11
Lch IN
SG
Rch IN
Rch OUT
SG
Lch OUT
IC2 (1/2)
IC2 (2/2)
(X11-) (C/5)
M TYPE
RED
GRY
BLU
BRN
YEL
WH13
WH16
WH15
WH17
WH14
F11 T2. 5AL 250V
F12 T2. 5AL 250V
C136 0. 01µ250V
120V 220V 240V
S11
CN3
J9 AC OUTLET
WH18
WHT
WH10
X11 E/5
WH12
WH11
AC220-240V
AC110-120V
S10
WH6
T. AC
T. AC
FL
AC (-30)
FL
+15V
AC (-30)
D. GND
NC
P. CON
D. GND
AC 15. 8V
AC 4. 0V
AC 5V
TF
T1
L07-0720-05 (JAPAN MADE)
L07-0813-05 (SINGAPORE MADE)
FRONT. Lch
FRONT. Rch
OMNI. Lch
OMNI. Rch
Lch
Rch
REAR
PRE OUT
SUPER WOOFER
CENTER
J2
J3
J4
J9
-48. 0V (M)
-52. 2V (E)
WH2
-24. 8V (M)
-32. 1V (E)
32. 1V (E)
26. 6V (M)
28. 0V (E)
-26. 8V (M)
-28. 3V (E)
26. 6V (M)
28. 0V (E)
(X09-) (C/11)
(X09-) (B/11)
CD
DECK
TUN
J6
J7
J8
F8 T1. 6AL 250V
F7 T2. 5AL 250V
F6 T1AL 250V
F4 T4AL 250V
F5 T4AL 250V
WH1
WH4
WH10
J10
PG
T. AC
(X09-) (J/11)
F3 T1AL 250V
F2 T1AL 250V
26. 6V (M)
28. 0V (E)
-26. 5V (M)
-28. 4V (E)
X TYPE
AC OUTLET
(X11-) (C/5)
X. T, E TYPE
WH20 X TYPE
WH19 X TYPE
J10 T TYPE
J9 E TYPE
AC OUTLET
T1
L07-0721-05 (JAPAN MADE)
L07-0814-05 (SINGAPORE MADE)
AC 30V
SIGNAL LINE
GND LINE
+B LINE
-B LINE

X09-
IC1 :STK350-030
IC2 :NJM4565L
IC3 :STK401-071 or STK401-271
IC4 :BA12003
IC5 :TA78057S
IC6 :LC7824
IC7 :XRA17815Tor TA7815S
IC8 :TA79015S or µPC7915AHF
IC9 :BA6209N
IC11 :XRA17812Tor TA7812S
IC12 :NJM4580L-D

Q1, 2, 15~18 :2SC2878 (B)
Q3, 4 :2SC4137
Q5, 6 :2SD2385
Q7, 8 :2SB1556
Q9, 10, 19 :2SC2631 (R, S)
Q11, 22 :2SA1048 (Y, GR)
or 2SA1309A (Q, R)
Q12 :2SA1123 (R, S)
Q13, 14, 23, 24 :2SC1845 (E, F)
Q21 :2SB1370

D1~3, 10, 12 :HSS104A or 1SS131
D4, 5, 13~21,
25, 25~30, 35~37 :HSS104 or 1SS133
D6~9 :HZS7. 5S (B2)
or RD7. 5JS (B2)
D11, 23 :HZS4. 7N (B2)
or RD4. 7ES (B2)
D24 :HZS3. 9N (B2)
or RD3. 9ES (B2)
D31, 32 :HZS5. 1N (B2)
or RD5. 1ES (B2)
D33, 34 :S56888
D40, 41 :HZS15N (B2)
or RD15ES (B2)
D47 :KBP02ML-6127
D48 :D3SBA20F03
or RBV-402LFA
D49 :D5SBA20F03
or RBV-602LFA

X09-388×-××

COUNTRY	ABB.	UNIT NO.		C145. 146	IC3	R169. 170
		JAPAN MADE	SINGPORE MADE			
ENGLAMD	T	2-71 (A-97)	2-72 (A-97)	7500µ63	STK401-271	1K
EUROPE	E	2-71 (A-97)	2-72 (A-97)	7500µ63	STK401-271	1K
AUSTRALIA	X	0-21 (A-97. 87)	0-22 (A-97. 87)	7500µ56	STK401-071	750
GENERAL MARKET	M	0-21 (A-97. 87)	0-22 (A-97. 87)	7500µ56	STK401-071	750

⚠ PT1
L07-0810-05 (X TYPE 97/87) (SINGAPORE MADE)
L07-0812-05 (E TYPE 97) (SINGAPORE MADE)
L07-0811-05 (T TYPE 97) (SINGAPORE MADE)
L07-0698-05 (X TYPE 87) (JAPAN MADE)

PT1
⚠ L07-0809-✱5 (M TYPE 97/87) (SINGAPORE MADE)
L07-0697-✱5 (M TYPE 87) (JAPAN MADE)

X11-343×-××

COUNTRY	ABB.	UNIT NO.	
		JAPAN MADE	SINGPORE MADE
ENGLAMD	T	2-71 (A-97)	2-72 (A-97)
EUROPE	E	0-51 (A-97)	0-52 (A-97)
AUSTRALIA	X	0-71 (A-97. 87)	0-72 (A-97. 87)
GENERAL MARKET	M	0-21 (A-97. 87)	0-22 (A-97. 87)

X11-
Q102 :2SC2003 (L, K)

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

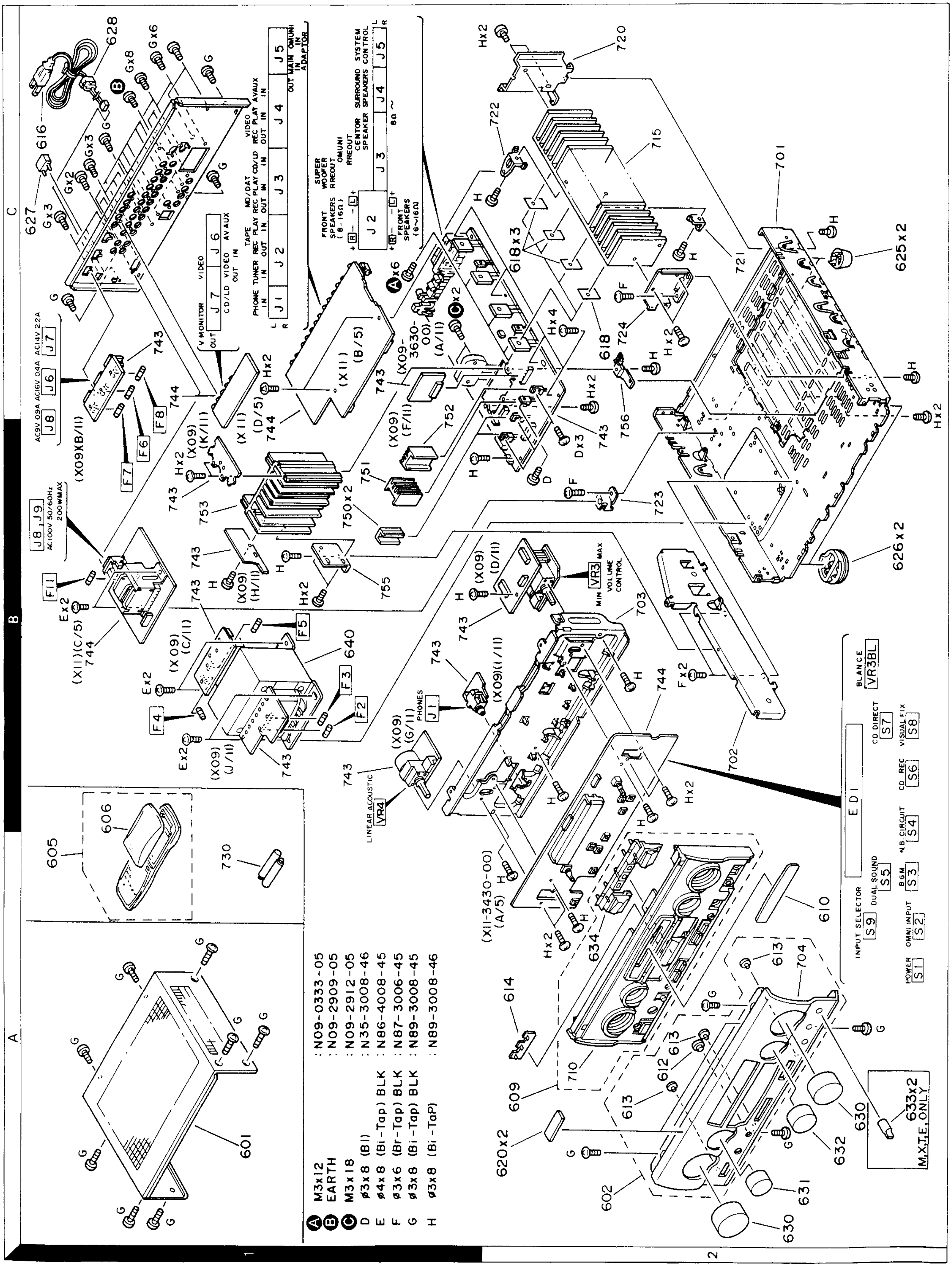
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

A-87/97

KENWOOD

EXPLODED VIEW (MAIN UNIT)


628
616
627
Gx3
Gx2
Gx3
Gx8
Gx6
G
J1 PHONE IN
J2 TUNER IN, TAPE REC OUT, TAPE PLAY IN
J3 MD/DAT REC OUT, PLAY IN, CD/LD IN
J4 VIDEO REC OUT, VIDEO PLAY IN, AV AUX IN
J5 OUT MAIN IN, OMUNI IN ADAPTOR
J6 VIDEO OUT, AV AUX IN
J7 V MONITOR OUT, CD/LD VIDEO IN
FRONT SPEAKERS (8-16Ω)
SUPER WOOFER RREOUT
OMUNI RREOUT
CENTOR SPEAKER
SURROUND SPEAKERS
SYSTEM CONTROL
FRONT SPEAKERS (6~16Ω)
8Ω~
AC9V 0.9A J8
AC16V 0.4A J6
AC14V 2.2A J7
J8,J9 AC100V 50/60Hz 200WMAX
(X09)(B/11)
F6
F7
F8
F11
F5
F4
F3
F2
743
744
(X11)(C/5)
Ex2
(X09)(C/11)
640
(X09)(J/11)
(X09)(K/11)
Hx2
753
(X09)(H/11)
750x2
751
755
(X11)(D/5)
(X11)(B/5)
(X09)(F/11)
752
(X09-3630-00)(A/11)
Ax6
Cx2
618x3
618
Hx4
724
715
722
720
721
701
625x2
626x2
Hx2
H
F
D
Dx3
756
723
(X09)(D/11)
VR3 VOLUME CONTROL MIN MAX
703
702
Fx2
(X09)(I/11)
J1 PHONES
(X09)(G/11)
VR4 LINEAR ACOUSTIC
(X11-3430-00)(A/5)
E D I
BLANCE VR3BL
CD DIRECT S7
VISUAL FIX S8
CD REC S6
N.B.CIRCUIT S4
BGM S3
DUAL SOUND S5
OMNI INPUT S2
INPUT SELECTOR S9
POWER S1
634
610
613
704
612
614
710
609
620x2
602
630
631
632
633x2 M,X,T,E, ONLY
605
606
730
601

Ⓐ	M3x12	: N09-0333-05
Ⓑ	EARTH	: N09-2909-05
Ⓒ	M3x18	: N09-2912-05
D	ø3x8 (Bl)	: N35-3008-46
E	ø4x8 (Bi-Tap) BLK	: N86-4008-45
F	ø3x6 (Br-Tap) BLK	: N87-3006-45
G	ø3x8 (Bi-Tap) BLK	: N89-3008-45
H	ø3x8 (Bi-TaP)	: N89-3008-46

Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

UNIT LIST(A-87)

DESTINATION		AUDIO UNIT	CONTROL UNIT
JAPAN MADE	M	X09-3880-21	X11-3430-21
	X	X09-3880-21	X11-3430-71
SINGAPORE MADE	M	X09-3880-22	X11-3430-22
	X	X09-3880-22	X11-3430-72

A-97

DESTINATION		AUDIO UNIT	CONTROL UNIT
JAPAN MADE	J	X09-3880-00	X11-3430-00
	M	X09-3880-21	X11-3430-21
	X	X09-3880-21	X11-3430-71
	T	X09-3882-71	X11-3430-51
	E	X09-3882-71	X11-3432-71
SINGAPORE MADE	M	X09-3880-22	X11-3430-22
	X	X09-3882-22	X11-3430-72
	T	X09-3882-72	X11-3430-52
	E	X09-3882-72	X11-3432-72

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

NO.1

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
A-87 (JAPAN MADE)						
601	1A		A01-1810-01	METALLIC CABINET		
602	2A	*	A60-0502-02	PANEL ASSY		
605	1B	*	X94-1050-11	REMOTE CONTROL ASSY UNIT		
606	1B	*	F07-0721-23	BATTERY COVER		
609	2A	*	B01-0518-02	PANEL ESCUTCHEON ASSY		
610	2A	*	B10-1963-04	FRONT GLASS		
612	2A	*	B11-0265-04	COLOR FILTER		
613	2A		B19-1520-04	LIGHTING BOARD		
614	2A	*	B19-1525-04	LIGHTING BOARD		
-			B46-0096-33	WARRANTY CARD	X	
-		*	B52-0533-00	CONNECTING DIAGRAM		
-		*	B60-1351-00	INSTRUCTION MANUAL (ENGLISH)		
-		*	B60-1352-00	INSTRUCTION MANUAL (SPANISH)	M	
-		*	B60-1353-00	INSTRUCTION MANUAL (CHINESE)	M	
⚠ 616	1C		E30-2592-15	AC POWER CORD	M	
⚠ 616	1C		E30-2717-05	AC POWER CORD	X	
617	2B,1C	*	E35-0689-05	FLAT CABLE X11(CN4)-(CN5)		
⚠ J8 ,9	1B		E03-0141-05	AC OUTLET	X	
618	2C		F20-1284-05	INSULATING BOARD		
620	2A		G11-0155-14	SOFT TAPE (40X9X2)		
		*	H50-0804-04	ITEM CARTON CASE		
-		*	H10-5504-12	POLYSTYRENE FOAMED FIXTURE L		
-		*	H10-5505-02	POLYSTYRENE FOAMED FIXTURE R		
-		*	H13-0110-04	CARTON BOARD	X	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0304-04	PROTECTION BAG		
625	2C		J02-0366-15	FOOT REAR		
626	2B		J02-1040-05	FOOT FRONT		
627	1C		J12-0091-05	PIN		
⚠ 628	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
630	2A		K29-4403-04	KNOB VOLUME,LINIAR ACOUSTIC		
631	2A		K29-4404-04	KNOB INPUT SELECTOR		
632	2A		K29-4405-04	KNOB BALANCE		
633	2A		K29-5672-04	KNOB BASS,TREBLE		
634	2A	*	K29-5706-03	KNOB DUAL SOUND,CD DIRECT		
640	1B	*	L07-0697-05	POWER TRANSFORMER	M	
640	1B	*	L07-0698-05	POWER TRANSFORMER	X	
A	1C		N09-0333-05	TAPPING SCREW (3X12)		
B	1C		N09-2909-05	TAPTITE SCREW		
E	1B		N86-4008-45	BINDING HEAD TAPTITE SCREW		
F	2B,2C		N87-3006-46	BRAZIER HEAD TAPTITE SCREW		
G	1A,1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
H	2A,2C		N89-3008-46	BINDING HEAD TAPTITE SCREW		
A-87 (SINGAPORE MADE)						
601	1A		A01-1810-01	METALLIC CABINET		
602	2A	*	A60-0502-12	PANEL ASSY		
605	1A	*	X94-1050-11	REMOTE CONTROL ASSY UNIT		
606	1B	*	F07-0721-23	BATTERY COVER		

L:Scandinavia **K:**USA **P:**Canada
Y:PX(Far East, Hawaii) **T:**England **E:**Europe
Y:AAFES(Europe) **X:**Australia **M:**Other Areas
⚠ indicates safety critical components.

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

NO.2

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
609	2A	*	B01-0518-02	PANEL ESCUTCHEON ASSY		
610	2A	*	B10-1963-04	FRONT GLASS		
612	2A	*	B11-0265-04	COLOR FILTER		
613	2A		B19-1520-04	LIGHTING BOARD		
614	2A	*	B19-1525-04	LIGHTING BOARD		
-			B46-0096-33	WARRANTY CARD	X	
-		*	B52-0533-00	CONNECTING DIAGRAM		
-		*	B60-1351-00	INSTRUCTION MANUAL (ENGLISH)		
-		*	B60-1352-00	INSTRUCTION MANUAL (SPANISH)	M	
-		*	B60-1353-00	INSTRUCTION MANUAL (CHINESE)	M	
⚠ 616	1C		E30-2592-15	AC POWER CORD	M	
⚠ 616	1C		E30-2717-05	AC POWER CORD	X	
617	2B,1C	*	E35-0689-05	FLAT CABLE X11(CN4)-(CN5)		
⚠ J8 ,9	1B		E03-0141-05	AC OUTLET	X	
618	2C		F20-1284-05	INSULATING BOARD		
620	2A		G11-0155-14	SOFT TAPE (40X9X2)		
		*	H50-0820-04	ITEM CARTON CASE	M	
		*	H50-0855-04	ITEM CARTON CASE	X	
-		*	H10-5601-12	POLYSTYRENE FOAMED FIXTURE L		
-		*	H10-5602-02	POLYSTYRENE FOAMED FIXTURE R		
-		*	H13-0111-14	CARTON BOARD	X	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0304-04	PROTECTION BAG		
625	2C		J02-0366-15	FOOT REAR		
626	2B		J02-1040-05	FOOT FRONT		
627	1C		J12-0091-05	PIN		
⚠ 628	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
630	2A		K29-4403-04	KNOB VOLUME,LINIAR ACOUSTIC		
631	2A		K29-4404-04	KNOB INPUT SELECTOR		
632	2A		K29-4405-04	KNOB BALANCE		
633	2A		K29-5672-04	KNOB BASS,TREBLE		
634	2A	*	K29-5706-03	KNOB DUAL SOUND,CD DIRECT		
640	1B	*	L07-0809-05	POWER TRANSFORMER	M	
640	1B	*	L07-0810-05	POWER TRANSFORMER	X	
A	1C		N09-0333-05	TAPPING SCREW (3X12)		
B	1C		N09-2909-05	TAPTITE SCREW		
E	1B		N86-4008-45	BINDING HEAD TAPTITE SCREW		
F	2B,2C		N87-3006-45	BRAZIER HEAD TAPTITE SCREW		
G	1A,1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
H	2A,2C		N89-3008-46	BINDING HEAD TAPTITE SCREW		
A-97 (JAPAN MADE)						
601	1A		A01-1810-01	METALLIC CABINET		
602	2A	*	A60-0501-02	PANEL ASSY		
605	1A	*	X94-1050-11	REMOTE CONTROL ASSY UNIT	TE	
605	1A	*	X94-1050-21	REMOTE CONTROL ASSY UNIT	MX	
606	1B	*	F07-0721-23	BATTERY COVER		
609	2A	*	B01-0518-02	PANEL ESCUTCHEON ASSY		
610	2A	*	B10-1963-04	FRONT GLASS		
612	2A	*	B11-0265-04	COLOR FILTER		
613	2A		B19-1520-04	LIGHTING BOARD		
614	2A	*	B19-1525-04	LIGHTING BOARD		

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* New Parts
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NO.3

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
-			B46-0096-33	WARRANTY CARD	X	
-		*	B46-0310-03	WARRANTY CARD	ET	
-		*	B52-0533-00	CONNECTING DIAGRAM	MX	
-		*	B52-0534-00	CONNECTING DIAGRAM	TE	
-		*	B60-1342-00	INSTRUCTION MANUAL (ENGLIS)	TE	
-		*	B60-1343-00	INSTRUCTION MANUAL (FRENCH)	E	
-		*	B60-1344-00	INSTRUCTION MANUAL (GERMAN)	E	
-		*	B60-1345-00	INSTRUCTION MANUAL (DUTCH)	E	
-		*	B60-1346-00	INSTRUCTION MANUAL (ITALIAN)	E	
-		*	B60-1347-00	INSTRUCTION MANUAL (SPANISH)	E	
-		*	B60-1348-00	INSTRUCTION MANUAL (ENGLISH)	MX	
-		*	B60-1349-00	INSTRUCTION MANUAL (SPANISH)	M	
-		*	B60-1350-00	INSTRUCTION MANUAL (CHINESE)	M	
⚠ 616	1C		E30-2592-15	AC POWER CORD	ME	
⚠ 616	1C		E30-2717-05	AC POWER CORD	X	
⚠ 616	1C		E30-2721-05	AC POWER CORD	T	
617	2B,1C	*	E35-0689-05	FLAT CABLE X11(CN4)-(CN5)		
⚠ J8 ,9	1B		E03-0141-05	AC OUTLET	X	
618	2C		F20-1284-05	INSULATING BOARD		
620			G11-0155-14	SOFT TAPE (40X9X2)		
		*	H50-0655-04	ITEM CARTON CASE	MXE	
		*	H50-0656-04	ITEM CARTON CASE	T	
-		*	H10-5504-12	POLYSTYRENE FOAMED FIXTURE L	MXE	
-		*	H10-5505-02	POLYSTYRENE FOAMED FIXTURE R	MXE	
-		*	H10-5506-12	POLYSTYRENE FOAMED FIXTURE L	T	
-		*	H10-5507-02	POLYSTYRENE FOAMED FIXTURE R	T	
-		*	H13-0110-04	CARTON BOARD	X	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	MXE	
-			H25-0304-04	PROTECTION BAG	MXE	
-			H25-0651-04	PROTECTION BAG (0232 PRINTED)	T	
-			H25-0656-04	PROTECTION BAG (0304 PRINTED)	T	
625	2C		J02-0366-15	FOOT REAR		
626	2B		J02-1040-05	FOOT FRONT		
627	1C		J12-0091-05	PIN		
⚠ 628	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
630	2A		K29-4403-04	KNOB VOLUME,LINIAR ACOUSTIC		
631	2A		K29-4404-04	KNOB INPUT SELECTOR		
632	2A		K29-4405-04	KNOB BALANCE		
633	2A		K29-5672-04	KNOB BASS,TREBLE		
634	2A	*	K29-5706-03	KNOB DUAL SOUND,CD DORECT		
640	1B	*	L07-0697-05	POWER TRANSFORMER	M	
640	1B	*	L07-0698-05	POWER TRANSFORMER	X	
640	1B	*	L07-0699-05	POWER TRANSFORMER	T	
640	1B	*	L07-0700-05	POWER TRANSFORMER	E	
A	1C		N09-0333-05	TAPPING SCREW (3X12)		
B	1C		N09-2909-05	TAPTITE SCREW		
E	1B		N86-4008-45	BINDING HEAD TAPTITE SCREW		
F	2B,2C		N87-3006-46	BRAZIER HEAD TAPTITE SCREW		
G	1A,1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
H	2A,2C		N89-3008-46	BINDING HEAD TAPTITE SCREW		

L:Scandinavia **K:**USA **P:**Canada
Y:PX(Far East, Hawaii) **T:**England **E:**Europe
Y:AAFES(Europe) **X:**Australia **M:**Other Areas
⚠ indicates safety critical components.

* New Parts
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Teile ohne **Parts No.** werden nicht geliefert.

NO.4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
A-97 (SINGAPORE MADE)						
601	1A		A01-1810-01	METALLIC CABINET		
602	2A	*	A60-0501-02	PANEL ASSY		
605	1A	*	X94-1050-11	REMOTE CONTROL ASSY UNIT	TE	
605	1A	*	X94-1050-21	REMOTE CONTROL ASSY UNIT	MX	
606	1B	*	F07-0721-23	COVER		
609	2A	*	B01-0518-02	PANEL ESCUTCHEON ASSY		
610	2A	*	B10-1963-04	FRONT GLASS		
612	2A	*	B11-0265-04	COLOR FILTER		
613	2A		B19-1520-04	LIGHTING BOARD		
614	2A	*	B19-1525-04	LIGHTING BOARD		
-			B46-0096-33	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	ET	
-		*	B52-0533-00	CONNECTING DIAGRAM	MX	
-		*	B52-0534-00	CONNECTING DIAGRAM	TE	
-		*	B60-1342-00	INSTRUCTION MANUAL (ENGLISH)	TE	
-		*	B60-1343-00	INSTRUCTION MANUAL (FRENCH)	E	
-		*	B60-1344-00	INSTRUCTION MANUAL (GERMAN)	E	
-		*	B60-1345-00	INSTRUCTION MANUAL (DUTCH)	E	
-		*	B60-1346-00	INSTRUCTION MANUAL (ITALIAN)	E	
-		*	B60-1347-00	INSTRUCTION MANUAL (SPANISH)	E	
-		*	B60-1348-00	INSTRUCTION MANUAL (ENGLISH)	MX	
-		*	B60-1349-00	INSTRUCTION MANUAL (SPANISH)	M	
-		*	B60-1350-00	INSTRUCTION MANUAL (CHINESE)	M	
⚠ 616	1C		E30-2592-15	AC POWER CORD	ME	
⚠ 616	1C		E30-2717-05	AC POWER CORD	X	
⚠ 616	1C		E30-2721-05	AC POWER CORD	T	
617	2B,1C	*	E35-0689-05	FLAT CABLE X11(CN4)-(CN5)		
⚠ J8 ,9	1B		E03-0141-05	AC OUTLET	X	
618	2C		F20-1284-05	INSULATING BOARD		
620	2A		G11-0155-14	SOFT TAPE (40X9X2)		
		*	H50-0816-04	ITEM CARTON CASE	M	
		*	H50-0817-04	ITEM CARTON CASE	X	
		*	H50-0818-04	ITEM CARTON CASE	T	
		*	H50-0819-04	ITEM CARTON CASE	E	
-		*	H10-5601-12	POLYSTYRENE FOAMED FIXTURE L	MXE	
-		*	H10-5602-02	POLYSTYRENE FOAMED FIXTURE R	MXE	
-		*	H10-5623-12	POLYSTYRENE FOAMED FIXTURE L	T	
-		*	H10-5624-02	POLYSTYRENE FOAMED FIXTURE R	T	
-		*	H13-0111-14	CARTON BOARD	X	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	MXE	
-			H25-0304-04	PROTECTION BAG	MXE	
-			H25-0651-04	PROTECTION BAG (0232 PRINTED)	T	
-			H25-0656-04	PROTECTION BAG (0304 PRINTED)	T	
625	2C		J02-0366-15	FOOT REAR		
626	2B		J02-1040-05	FOOT FRONT		
627	1C		J12-0091-05	PIN		
⚠ 628	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
630	2A		K29-4403-04	KNOB VOLUME,LINIAR ACOUSTIC		
631	2A		K29-4404-04	KNOB INPUT SELECTOR		
632	2A		K29-4405-04	KNOB BALANCE		

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NO.5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
633	2A		K29-5672-04	KNOB BASS,TREBLE		
634	2A	*	K29-5706-03	KNOB DUAL SOUND,CD DIRECT		
640	1B	*	L07-0809-05	POWER TRANSFORMER	M	
640	1B	*	L07-0810-05	POWER TRANSFORMER	X	
640	1B	*	L07-0811-05	POWER TRANSFORMER	T	
640	1B	*	L07-0812-05	POWER TRANSFORMER	E	
A	1C		N09-0333-05	TAPPING SCREW (3X12)		
B	1C		N09-2909-05	TAPTITE SCREW		
E	1B		N86-4008-45	BINDING HEAD TAPTITE SCREW		
F	2B,2C		N87-3006-45	BRAZIER HEAD TAPTITE SCREW		
G	1A,1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
H	2A,2C		N89-3008-46	BINDING HEAD TAPTITE SCREW		

AUDIO UNIT (X09-388X-XX)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C1 ,2			CK45FF1H103Z	CERAMIC 0.010UF Z		
C3 ,4			CE04KW1H010M	ELECTRO 1.0UF 50WV		J
C3 ,4			CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C5 ,6		*	C90-3522-05	ELECTRO 220UF 6.3WV		
C7 ,8			CC45FSL1H101J	CERAMIC 100PF J		
C9 ,10			CC45FSL1H820J	CERAMIC 82PF J		
C11 ,12			CC45FSL1H151J	CERAMIC 150PF J		
C13 ,14			CE04KW1C220M	ELECTRO 22UF 16WV		J
C13 ,14			CE04LW1C220M	ELECTRO 22UF 16WV		S
C15 ,16			CK45FF1H103Z	CERAMIC 0.010UF Z		
C17 ,18			CC45FSL1H030C	CERAMIC 3.0PF C		
C19 -22			CF92FV1H224J	MF 0.22UF J		J
C19 -22			CF92FV1H224J	MF 0.22UF J		S
C23 ,24			CF92FV1H332J	MF 3300PF J		
C25 ,26			CE04DW1J101M	ELECTRO 100UF 63WV		
C27			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C29 ,30			CF92FV1H221K	MF 220PF K		
C31 ,32			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		J
C31 ,32			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		S
C33 ,34			CK45FB1H471K	CERAMIC 470PF K		
C35 ,36			CE04KW1A101M	ELECTRO 100UF 10WV		J
C35 ,36			CE04LW1A101M	ELECTRO 100UF 10WV		S
C37 ,38			CC45FSL1H101J	CERAMIC 100PF J		
C39 ,40			CC45FSL1H030C	CERAMIC 3.0PF C		
C41			CE04DW1H331M	ELECTRO 330UF 50WV		
C42			CE04KW1H101M	ELECTRO 100UF 50WV		J
C42			CE04LW1H101M	ELECTRO 100UF 50WV		S
C43 -46			CF92FV1H224J	MF 0.22UF J		
C47			CE04KW0J471M	ELECTRO 470UF 6.3WV		J
C47			CE04LW0J471M	ELECTRO 470UF 6.3WV		S
C48			CF92FV1H332J	MF 3300PF J		
C49 ,50			CK45FF1H103Z	CERAMIC 0.010UF Z		
C51 ,52		*	C90-3512-05	ELECTRO 3300UF 50WV	MX	9
C51 ,52		*	C90-3512-05	ELECTRO 3300UF 50WV		8
C51 ,52		*	C90-3513-05	ELECTRO 3300UF 50WV	TE	9
C53			CE04KW1C220M	ELECTRO 22UF 16WV		J
C53			CE04LW1C220M	ELECTRO 22UF 16WV		S
C54			CE04KW2A4R7M	ELECTRO 4.7UF 100WV		J
C54			CE04LW2A4R7M	ELECTRO 4.7UF 100WV		S
C55			CE04KW0J221M	ELECTRO 220UF 6.3WV		J

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NO.6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C55			CE04LW0J221M	ELECTRO 220UF 6.3WV		S
C57 ,58			CC45FSL1H221J	CERAMIC 220PF J		
C60			CK45FF1H103Z	CERAMIC 0.010UF Z		
C61 ,62			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		J
C61 ,62			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		S
C63 ,64			CC45FSL1H221J	CERAMIC 220PF J		
C65 ,66			CC45FSL1H101J	CERAMIC 100PF J		
C67 ,68			CE04KW1C220M	ELECTRO 22UF 16WV		J
C67 ,68			CE04LW1C220M	ELECTRO 22UF 16WV		S
C69			CE04KW1H010M	ELECTRO 1.0UF 50WV		J
C69			CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C70			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		J
C70			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		S
C71 ,72			CK45FF1H472Z	CERAMIC 4700PF Z		
C73 -76			CK45FF1H103Z	CERAMIC 0.010UF Z		
C77 ,78			CK45FF1H472Z	CERAMIC 4700PF Z		
C79			CK45FF1H103Z	CERAMIC 0.010UF Z		
C80			CF92FV1H105J	MF 1.0UF J		
C81			CK45FF1H472Z	CERAMIC 4700PF Z		
C85 ,86			CK45FB1H471K	CERAMIC 470PF K		
C87			CE04KW1A470M	ELECTRO 47UF 10WV		J
C87			CE04LW1A470M	ELECTRO 47UF 10WV		S
C88			CE04HW1E220M	NP-ELEC 22UF 25WV		
C89			CK45FF1H472Z	CERAMIC 4700PF Z		
C90			CK45FF1H103Z	CERAMIC 0.010UF Z		
C91 ,92			CF92FV1H823J	MF 0.082UF J		
C93			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C94			CE04KW1E470M	ELECTRO 47UF 25WV		J
C94			CE04LW1E470M	ELECTRO 47UF 25WV		S
C95 ,96			CK45FB1H471K	CERAMIC 470PF K		
C97			CE04KW1V100M	ELECTRO 10UF 35WV		J
C97			CE04LW1V100M	ELECTRO 10UF 35WV		S
C98			CE04HW1E220M	NP-ELEC 22UF 25WV		
C99 ,100			CF92FV1H104J	MF 0.10UF J		
C101			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		J
C101			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		S
C102			CK45FF1H103Z	CERAMIC 0.010UF Z		
C104			CK45FF1H103Z	CERAMIC 0.010UF Z		
C109		*	CE04DW1H471M	ELECTRO 470UF 50WV		
C110			CK45FB1H102K	CERAMIC 1000PF K		
C111,112			CF92FV1H104J	MF 0.10UF J		
C113			CE04KW1A101M	ELECTRO 100UF 10WV		J
C113			CE04LW1A101M	ELECTRO 100UF 10WV		S
C114			CE04KW1V100M	ELECTRO 10UF 35WV		J
C114			CE04LW1V100M	ELECTRO 10UF 35WV		S
C115			CE04KW1V101M	ELECTRO 100UF 35WV		J
C115			CE04LW1V101M	ELECTRO 100UF 35WV		S
C116			CK45FB1H102K	CERAMIC 1000PF K		
C119			C91-0769-05	CERAMIC 0.01UF K		
C120			CE04KW1C101M	ELECTRO 100UF 16WV		J
C120			CE04LW1C101M	ELECTRO 100UF 16WV		S
C121-124			CK45FF1H103Z	CERAMIC 0.010UF Z		
C125,126			CE04KW1V222M	ELECTRO 2200UF 35WV		J
C125,126			CE04LW1V222M	ELECTRO 2200UF 35WV		S
C127-130			CF92FV1H104J	MF 0.10UF J		

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NO.7

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C131-134			CE04KW1C101M	ELECTRO 100UF 16WV		J
C131-134			CE04LW1C101M	ELECTRO 100UF 16WV		S
C139			CF92FV1H104J	MF 0.10UF J		
C140			CE04KW1V220M	ELECTRO 22UF 35WV		J
C140			CE04LW1V220M	ELECTRO 22UF 35WV		S
C141-144			CK45FE2H103P	CERAMIC 0.010UF P		
C145,146		*	C90-3514-05	ELECTRO 7500UF 56WV	MX	9
C145,146		*	C90-3514-05	ELECTRO 7500UF 56WV		8
C145,146		*	C90-3515-05	ELECTRO 7500UF 63WV	TE	9
C147-150			CK45FF1H103Z	CERAMIC 0.010UF Z		
C151,152			CF92FV1H473J	MF 0.047UF J		
C153,154			CC45FSL1H560J	CERAMIC 56PF J		
C155,156			CK45FB1H561K	CERAMIC 560PF K		
C157,158			CE04KW1V100M	ELECTRO 10UF 35WV		J
C157,158			CE04LW1V100M	ELECTRO 10UF 35WV		S
C159,160			CE04HW1H4R7M	NP-ELEC 4.7UF 50WV		
C161-164			CF92FV1H104J	MF 0.10UF J		
C171,172			C91-0769-05	CERAMIC 0.01UF K		
C173,174			CK45FF1H472Z	CERAMIC 4700PF Z		
C175			CK45FB1H102K	CERAMIC 1000PF K		
C176,177			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		J
C176,177			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		S
C178			C91-0769-05	CERAMIC 0.01UF K		
J1			E11-0210-05	PHONE JACK HEAD PHONE		
J2			E70-0022-05	LOCK TERMINAL BOARD SPEAKERS		
J3		*	E63-0092-05	PHONO JACK SURROUND SP		
J4		*	E63-0090-05	PHONO JACK PREOUT,S WOOFER		
J5			E08-0312-05	RECTANGULAR RECEPTACLE SYNCHRO		
J6			E08-0414-05	RECTANGULAR RECEPTACLE TUNER		
J7			E08-0411-05	RECTANGULAR RECEPTACLE DECK		
J8			E08-0415-05	RECTANGULAR RECEPTACLE CD		
⚠ F2 ,3			F06-1022-05	FUSE (SEMKO) (250V T1AL)		
⚠ F4 ,5			F05-4025-05	FUSE (SEMKO) (250V T4A)		
⚠ F6			F06-1022-05	FUSE (SEMKO) (250V T1AL)		
⚠ F7			F05-2525-05	FUSE (SEMKO) (250V T2.5A)		
⚠ F8			F05-1623-05	FUSE (SEMKO) (250V T1.6A)		
CN21-34			J13-0075-05	FUSE CLIP		
L1 -4			L39-0085-05	PHASE COMPENSATION COIL		
C	1C		N09-2912-05	SEMS (TAPTITE SCREW)		
D	2B		N35-3008-46	BINDING HEAD MACHINE SCREW		
H	1B,2C		N89-3008-46	BINDING HEAD TAPTITE SCREW		
CP1 -3			R90-0826-05	MULTI-COMP 0.22X2 J 5W		
R5 ,6			RN14BK2C1003F	RN 100K F 1/6W		
R13 ,14			RD14NB2E101J	RD 100 J 1/4W		
R15 ,16			RN14BK2C1003F	RN 100K F 1/6W		
R21 -24			RD14NB2E220J	RD 22 J 1/4W		
R25 ,26			RD14NB2E822J	RD 8.2K J 1/4W		
R29 ,30			RS14KB3D100J	FL-PROOF RS 10 J 2W		
R31 ,32			RD14NB2E100J	RD 10 J 1/4W		
R42			RD14NB2E4R7J	RD 4.7 J 1/4W		
R46			RD14NB2E100J	RD 10 J 1/4W		
R47 ,48			RD14NB2E4R7J	RD 4.7 J 1/4W		

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NO.8

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Remarks 備考
R59 ,60			RD14NB2E101J	RD 100 J 1/4W		
R61 ,62		*	RS14NB3D4R7J	METAL OXIDE FILM RESISTOR		
R70			RD14NB2E152J	RD 1.5K J 1/4W		
R75		*	RS14NB3A100J	METAL OXIDE FILM RESISTOR		
R85		*	RS14NB3D102J	METAL OXIDE FILM RESISTOR		
R86		*	RS14NB3D471J	METAL OXIDE FILM RESISTOR		
R87 ,88		*	RS14NB3D560J	METAL OXIDE FILM RESISTOR		
R103		*	RS14NB3D222J	METAL OXIDE FILM RESISTOR		
R106			RD14NB2E2R2J	RD 2.2 J 1/4W		
R108			RD14NB2E100J	RD 10 J 1/4W		
R112		*	RS14NB3D150J	METAL OXIDE FILM RESISTOR		
R114		*	RS14NB3D332J	METAL OXIDE FILM RESISTOR		
R121			RD14NB2E2R2J	RD 2.2 J 1/4W		
R122			RD14NB2E4R7J	RD 4.7 J 1/4W		
R123,124		*	RS14NB3D820J	METAL OXIDE FILM RESISTOR		
VR1 ,2			R12-1616-05	TRIMMING POT.(1k) IDLE ADJ		
VR3			R29-5057-05	POTENTIOMETER(100kX4) VOLUME		
VR4		*	R29-3039-05	POTENTIOMETER(10k X1) LAC		
K1			S51-2078-05	MAGNETIC RELAY		
K2 -6			S76-0005-05	MAGNETIC RELAY		
D1 -3			HSS104A	DIODE		
D1 -3			1SS131	DIODE		
D4 ,5			HSS104	DIODE		
D4 ,5			1SS133	DIODE		
D6 -9			HZS7.5S(B2)	ZENER DIODE		
D6 -9			RD7.5JS(B2)	ZENER DIODE		
D10			HSS104A	DIODE		
D10			1SS131	DIODE		
D11			HZS4.7N(B2)	ZENER DIODE		
D11			RD4.7ES(B2)	ZENER DIODE		
D12			HSS104A	DIODE		
D12			1SS131	DIODE		
D13 -21			HSS104	DIODE		
D13 -21			1SS133	DIODE		
D23			HZS4.7N(B2)	ZENER DIODE		
D23			RD4.7ES(B2)	ZENER DIODE		
D24			HZS3.9N(B2)	ZENER DIODE		
D24			RD3.9ES(B2)	ZENER DIODE		
D25			HSS104	DIODE		
D25			1SS133	DIODE		
D28 -30			HSS104	DIODE		
D28 -30			1SS133	DIODE		
D31 ,32			HZS5.1N(B2)	ZENER DIODE		
D31 ,32			RD5.1ES(B2)	ZENER DIODE		
D33 ,34			S5688B	DIODE		
D35 -37			HSS104	DIODE		
D35 -37			1SS133	DIODE		
D40 ,41			HZS15N(B2)	ZENER DIODE		
D40 ,41			RD15ES(B2)	ZENER DIODE		
D47			KBP02ML-6127	DIODE		
D48			D3SBA20F03	DIODE		
D48			RBV-402LFA	DIODE		
D49			D5SBA20F03	DIODE		
D49			RBV-602LFA	DIODE		

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PARTS LIST

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NO.9

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IC1		*	STK350-030	IC(AF DRIVER AMP)		
IC2			NJM4556L	IC(OP AMP)		
IC3		*	STK401-071	IC(AF POWER AMP/40WX2)	MX	9
IC3		*	STK401-071	IC(AF POWER AMP/40WX2)		8
IC3		*	STK401-271	IC(AF POWER AMP/40WX2)	TE	9
IC4			BA12003	IC(TRANSISTOR ARRAY)		
IC5			TA78057S	IC(VOLTAGE REGULATOR/+5.75V)		
IC6		*	LC7824	IC(ANALOG SW)		
IC7			TA7815S	IC(VOLTAGE REGULATOR/ +15V)		
IC7		*	XRA17815T	IC(VOLTAGE REGULATOR/ +15V)		
IC8			TA79015S	IC(VOLTAGE REGULATOR/ -15V)		
IC8			UPC7915AHF	IC(VOLTAGE REGURATOR/ -15V)		
IC9			BA6209N	IC(MOTOR DRIVER)		
IC10			TA8409S	IC(MOTOR CONTROL)		
IC11			TA7812S	IC(VOLTAGE REGULATOR/ +12V)		
IC11		*	XRA17812T	IC(VOLTAGE REGULATOR/ +12V)		
IC12			NJM4580L-D	IC(OP AMP X2)		
Q1 ,2			2SC2878(B)	TRANSISTOR		
Q3 ,4			2SC4137	TRANSISTOR		
Q5 ,6		*	2SD2385	TRANSISTOR		
Q7 ,8		*	2SB1556	TRANSISTOR		
Q9 ,10			2SC2631(R,S)	TRANSISTOR		
Q11			2SA1048(Y,GR)	TRANSISTOR		J
Q11			2SA1175(F,E)	TRANSISTOR		S
Q11			2SA1309A(Q,R)	TRANSISTOR		J
Q11			2SA933S(Q,R)	TRANSISTOR		S
Q12			2SA1123(R,S)	TRANSISTOR		
Q13 ,14			2SC1845(F,E)	TRANSISTOR		
Q15 -18			2SC2878(B)	TRANSISTOR		
Q19			2SC2631(R,S)	TRANSISTOR		
Q20			DTC124ES	DIGITAL TRANSISTOR		
Q21			2SB1370	TRANSISTOR		
Q22			2SA1048(Y,GR)	TRANSISTOR		J
Q22			2SA1175(F,E)	TRANSISTOR		S
Q22			2SA1309A(Q,R)	TRANSISTOR		J
Q22			2SA933S(Q,R)	TRANSISTOR		S
Q23 ,24			2SC1845(F,E)	TRANSISTOR		
CONTROL UNIT (X11-343X-XX)						
D101-106			B30-1291-05	LED(LN21CPSLX(V)-(TA4))		
C1 -4			CC45FSL1H221J	CERAMIC 220PF J		
C5 ,6			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		J
C5 ,6			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		S
C7 ,8			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		J
C7 ,8			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		S
C9 ,10			CC45FSL1H221J	CERAMIC 220PF J		
C11 ,12			CF92FV1H123J	MF 0.012UF J		
C13 ,14			CF92FV1H332J	MF 3300PF J		
C15 ,16			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		J
C15 ,16			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		S
C17 -40			C91-0749-05	CERAMIC 220PF K		
C41 ,42			CE04KW1V100M	ELECTRO 10UF 35WV		J
C41 ,42			CE04LW1V100M	ELECTRO 10UF 35WV		S
C43 ,44			CC45FSL1H560J	CERAMIC 56PF J		
C45 ,46			CE04KW1C101M	ELECTRO 100UF 16WV		J

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Teile ohne Parts No. werden nicht geliefert.

NO.10

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C45 ,46			CE04LW1C101M	ELECTRO 100UF 16WV		S
C48 ,49			CK45FF1H103Z	CERAMIC 0.010UF Z		
C50			C91-0769-05	CERAMIC 0.01UF K		
C51 -54			CE04KW1V100M	ELECTRO 10UF 35WV		J
C51 -54			CE04LW1V100M	ELECTRO 10UF 35WV		S
C55 ,56			CC45FSL1H560J	CERAMIC 56PF J		
C57 ,58			C90-3225-05	ELECTRO 10UF 16WV		J
C59 -62			CE04KW1V100M	ELECTRO 10UF 35WV		J
C59 -62			CE04LW1V100M	ELECTRO 10UF 35WV		S
C63 ,64			CC45FSL1H560J	CERAMIC 56PF J		
C65 ,66			CE04KW1V100M	ELECTRO 10UF 35WV		J
C65 ,66			CE04LW1V100M	ELECTRO 10UF 35WV		S
C67 ,68			CC45FSL1H560J	CERAMIC 56PF J		
C69 -74			CE04KW1V100M	ELECTRO 10UF 35WV		J
C69 -74			CE04LW1V100M	ELECTRO 10UF 35WV		S
C75 ,76			CC45FSL1H560J	CERAMIC 56PF J		
C77 ,78			CC45FSL1H101J	CERAMIC 100PF J		
C79 -82			CE04KW1V100M	ELECTRO 10UF 35WV		J
C79 -82			CE04LW1V100M	ELECTRO 10UF 35WV		S
C83 ,84			CC45FSL1H560J	CERAMIC 56PF J		
C85 -88			CE04KW1V100M	ELECTRO 10UF 35WV		J
C85 -88			CE04LW1V100M	ELECTRO 10UF 35WV		S
C89 ,90			CC45FSL1H560J	CERAMIC 56PF J		
C91 -94			CE04KW1V100M	ELECTRO 10UF 35WV		J
C91 -94			CE04LW1V100M	ELECTRO 10UF 35WV		S
C100			C91-0769-05	CERAMIC 0.01UF K		
C101,102			CE04KW1V100M	ELECTRO 10UF 35WV		J
C101,102			CE04LW1V100M	ELECTRO 10UF 35WV		S
C103,104			CC45FSL1H560J	CERAMIC 56PF J		
C105,106			CE04KW1V100M	ELECTRO 10UF 35WV		J
C105,106			CE04LW1V100M	ELECTRO 10UF 35WV		S
⚠ C130			C91-1439-05	FILM 0.01UF 250VAC		
C131-134			CK45FF1H103Z	CERAMIC 0.010UF Z		
C135			CE04EW1V102M	ELECTRO 1000UF 35WV		S
C135			CE04KW1V102M	ELECTRO 1000UF 35WV		J
⚠ C136			C91-1439-05	FILM 0.01UF 250VAC		
C151			CK45FB1H471K	CERAMIC 470PF K		
C152			CK45FB1H102K	CERAMIC 1000PF K		
C153-155			CK45FB1H471K	CERAMIC 470PF K		
C156,157			CK45FB1H102K	CERAMIC 1000PF K		
C158			CK45FB1H471K	CERAMIC 470PF K		
C159-161			C91-0753-05	CHIP C 470PF K		
C162			C91-0757-05	CERAMIC 1000PF K		
C165-168			CK45FF1H103Z	CERAMIC 0.010UF Z		
C169,170			CF92FV1H103J	MF 0.010UF J		
C201,202			CE04KW1H010M	ELECTRO 1.0UF 50WV		J
C201,202			CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C203,204			CC45FSL1H221J	CERAMIC 220PF J		
C205,206			CF92FV1H473J	MF 0.047UF J		
C207-210			CC45FSL1H560J	CERAMIC 56PF J		
C211-214			CE04KW1H010M	ELECTRO 1.0UF 50WV		J
C211-214			CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C215-218			C90-3225-05	ELECTRO 10UF 16WV		
C219,220			CE04KW1E470M	ELECTRO 47UF 25WV		J
C219,220			CE04LW1E470M	ELECTRO 47UF 25WV		S

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PARTS LIST

※ New Parts
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NO.11

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C251-253			CE04KW0J331M	ELECTRO 330UF 6.3WV		J
C251-253			CE04LW0J331M	ELECTRO 330UF 6.3WV		S
C254,255			CK45FF1H103Z	CERAMIC 0.010UF Z		
C256			CK45FB1H471K	CERAMIC 470PF K		
C257			CK45FF1H103Z	CERAMIC 0.010UF Z		
C259,260			CE04KW1C101M	ELECTRO 100UF 16WV		J
C259,260			CE04LW1C101M	ELECTRO 100UF 16WV		S
C261,262			CK45FF1H103Z	CERAMIC 0.010UF Z		
C263,264			CE04KW0J331M	ELECTRO 330UF 6.3WV		J
C263,264			CE04LW0J331M	ELECTRO 330UF 6.3WV		S
C301,302			C90-3253-05	ELECTRO 1UF 50WV		
C303,304			CE04KW1A101M	ELECTRO 100UF 10WV		J
C303,304			CE04LW1A101M	ELECTRO 100UF 10WV		S
C305			C90-3253-05	ELECTRO 1UF 50WV		
C306			CK45FF1H103Z	CERAMIC 0.010UF Z		
C307,308			C90-3256-05	ELECTRO 4.7UF 50WV		
C309			CK45FF1H103Z	CERAMIC 0.010UF Z		
C310			C91-0769-05	CERAMIC 0.01UF K		
C311,312			CE04KW1A101M	ELECTRO 100UF 10WV		J
C311,312			CE04LW1A101M	ELECTRO 100UF 10WV		S
C313,314			CK45FF1H103Z	CERAMIC 0.010UF Z		
C315			C91-0769-05	CERAMIC 0.01UF K		
C316			CK45FF1H103Z	CERAMIC 0.010UF Z		
C317			C91-0769-05	CERAMIC 0.01UF K		
C318			CK45FF1H103Z	CERAMIC 0.010UF Z		
C319			C90-3214-05	ELECTRO 100UF 6.3WV		
C320			C90-1827-05	BACKUP 0.047F 5.5WV		
C321			CE04KW1A101M	ELECTRO 100UF 10WV		J
C321			CE04LW1A101M	ELECTRO 100UF 10WV		S
CN4	2B		E40-4161-05	FLAT CABLE CONNCTOR		
CN5	1C		E40-4201-05	FLAT CABLE CONNCTOR		
J1		*	E63-0072-15	PHONO JACK PHONO		
J2 ,3		*	E63-0066-15	PHONO JACK TUNER,TAPE,MD,CD		
J4		*	E63-0067-15	PHONO JACK VIDEO,AV/AUX,ADPTER		
J5		*	E63-0091-05	PHONO JACK ADAPTER/IN,OMNI		
J6		*	E63-0093-05	PHONO JACK VISUAL MONITOR		
J7		*	E63-0094-05	PHONO JACK VIDEO IN/OUT,AV AUX		
⚠ J9			E03-0108-05	AC OUTLET	ME 9	
⚠ J9			E03-0108-05	AC OUTLET	M 8	
⚠ J10			E03-0109-05	AC OUTLET	T 9	
⚠ F11 ,12			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	M	
⚠ F12			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	X	
⚠ F12 ,13			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	TE	
J17			F10-0937-03	SHIELDING PLATE		
CN10-13			J13-0075-05	FUSE CLIP	M	
CN10,11			J13-0075-05	FUSE CLIP	XTE	9
CN10,11			J13-0075-05	FUSE CLIP	X	8
CN14,15			J13-0075-05	FUSE CLIP	TE	9
L1 ,2			L40-1011-17	SMALL FIXED INDUCTOR(100UH,K)		
T1		*	L07-0720-05	POWER TRANSFORMER	M	
T1		*	L07-0721-05	POWER TRANSFORMER	XTE	9
T1		*	L07-0721-05	POWER TRANSFORMER	X	8
T1		*	L07-0813-05	POWER TRANSFORMER	M	S

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NO.12

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
T1		*	L07-0814-05	POWER TRANSFORMER	XTE 9	S
T1		*	L07-0814-05	POWER TRANSFORMER	X 8	S
X1			L78-0267-05	RESONATOR 4.194MHz		
R198			RD14NB2E470J	RD 47 J 1/4W		
R259-262			RD14NB2E151J	RD 150 J 1/4W		
VR1 ,2		*	R10-3054-05	POTENTIOMETER(10K) BASS,TREBLE		
VR3		*	R05-3037-05	POTENTIOMETER(10K) BALANCE		
⚠ K1			S76-0002-05	MAGNETIC RELAY		
S1 -8			S40-1064-05	PUSH SWITCH KEY BOARD		
⚠ S10			S62-0001-05	SLIDE SWITCH VOLTAGE SELECTOR	M	
⚠ S11			S31-2322-05	SLIDE SWITCH VOLTAGE SELECTOR	M	
S9			T99-0530-05	ROTARY ENCODER INPUT SELECTOR		
D1 -15			HSS104	DIODE		
D1 -15			1SS133	DIODE		
D17			HSS104	DIODE		
D17			1SS133	DIODE		
D19 -25			HSS104	DIODE		
D19 -25			1SS133	DIODE		
D26			KBP02ML-6127	DIODE		
D31 -39			HSS104	DIODE		
D31 -39			1SS133	DIODE		
D40			HZS5.6N(B2)	ZENER DIODE		
D40			RD5.6ES(B2)	ZENER DIODE		
D41 -45			HSS104	DIODE		
D41 -45			1SS133	DIODE		
D51 ,52			HZS13N(B2)	ZENER DIODE		
D51 ,52			RD13ES(B2)	ZENER DIODE		
D53 -55			HSS104	DIODE		
D53 -55			1SS133	DIODE		
D251-254			HSS104	DIODE		
D251-254			1SS133	DIODE		
D255,256			HZS5.6N(B2)	ZENER DIODE		
D255,256			RD5.6ES(B2)	ZENER DIODE		
D257,258			HSS104	DIODE		
D257,258			1SS133	DIODE		
ED1		*	10-BT-120GK	INDICATOR TUBE		
IC1		*	TC9274N-003	IC(ANALOG SWITCH)		
IC2			NJU7313L	IC(ANALOG SWITCH)		
IC2			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC3 ,4			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC5			NJM4565D-D	IC(OP AMP X2)		
IC5			XRA15218-DX	IC(OP AMP X2)		
IC6			NJM4565L-D	IC(OP AMP X2)		
IC7			NJM4565D-D	IC(OP AMP X2)		
IC7			XRA15218-DX	IC(OP AMP X2)		
IC8 -10			NJM2058D	IC(OP AMP X4)		
IC11,12			NJM4565L-D	IC(OP AMP X2)		
IC13			CXA1558L	IC		
IC101		*	UPD78042GF-039	IC(MICROPROCESSOR)		
IC102			MN1381-R(TA)	IC(VOLTAGE DETECT)		
IC102			S-80740AL	IC(VOLTAGE DETECTOR)		
Q1			2SC3940A(R,S)	TRANSISTOR		
Q2			2SA1534A(R,S)	TRANSISTOR		

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PARTS LIST

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NO.13

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
Q101			2SC1740S(Q,R)	TRANSISTOR		S
Q101			2SC2458(Y,GR)	TRANSISTOR		J
Q101			2SC2785(F,E)	TRANSISTOR		S
Q101			2SC3311A(Q,R)	TRANSISTOR		J
Q102			2SC2003(L,K)	TRANSISTOR		
Q103			2SC1740S(Q,R)	TRANSISTOR		S
Q103			2SC2458(Y,GR)	TRANSISTOR		J
Q103			2SC2785(F,E)	TRANSISTOR		S
Q103			2SC3311A(Q,R)	TRANSISTOR		J
Q104-109			DTC124ES	DIGITAL TRANSISTOR		
Q104-109			UN4212	DIGITAL TRANSISTOR		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		
		⁎	X25-5470-11	REMOTE CONTROL UNIT		8

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J : JAPAN MADE
S : SINGAPORE MADE
8 : A-87
9 : A-97

⚠ indicates safety critical components.

A-87/97

SPECIFICATIONS

Rated power output at the STEREO opration	
(IEC/NF) from 63 Hz to 12,500Hz, 0.7% T.H.D.	
at 8Ω	85W+85W
(DIN) 1,000Hz at 8Ω	85W+85W
Power output at the Surround opration	
Front (1kHz, 0.08% T.H.D. at 8Ω)	85W+85W
Omni (1kHz, 0.5% T.H.D. at 8Ω)	25W+25W
Center (1kHz, 0.5% T.H.D. at 8Ω)	25W
Rear (1kHz, 0.5% T.H.D. at 8Ω)	25W+25W
Total harmonic distortion (1kHz, 8Ω)	0.02% at 40W
Signal to noise ratio (IHF '66)	
PHONO (MM)	72dB
CD/LD, TAPE	90dB
Signal to noise ratio (DIN weighted at 50mW output)	
PHONO (MM)	56dB
CD/LD, TAPE	57dB
Input sensitivity/impedance	
PHONO (MM)	2.5mV/47kΩ
CD/LD, TAPE	200mV/47kΩ
Tone controls	
BASS	±10dB (at 100Hz)
TREBLE	±10dB (at 10kHz)
VIDEO inputs/outputs	
(composite)	1Vp-p/75Ω
General	
Power consumption	280W
Dimensions	W: 360 mm H : 129 mm D : 378 mm
Weight (net)	11.3kg
AC outlets (switched)	1 (Total 200W max)

Kenwood follows a policy of continuous advancements in development.
For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui concerne le developpement.
Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige Verbesserungen in der Entwicklung an.
Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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